

Senior College

Course Information & Subject Outlines

2027



**MIDDLETON
GRANGE SCHOOL**



YEAR 13 COURSE BOOK 2027

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Helpful Information for selecting courses

Please familiarise yourself with all [Course Selection](#) information on our website, including the [NCEA information](#).

- **All advanced scientific and technical occupations require Mathematics to NCEA Level 3. You need to continue with Mathematics if you are interested in careers such as Accountancy, Physical Education, Psychology, Medicine, Consumer Science, Health and Physical Sciences.**
- **If you want to keep a scientific, engineering, many technical or medical careers open as a possibility, you should take Mathematics, Chemistry and Physics.**
- **Most Science careers require Biology with Chemistry or Physics with Chemistry.**
- **If you are *definitely* not interested in any of the above careers, you should consider breadth of option choice to keep doors open. The inclusion of Mathematics in your course increases the range of career opportunities which may be open to you.**
- **If you are not sure what you wish to do, Mathematics with two/three Science subjects plus a language-rich subject will open entry into **most** university courses.**
- **Attaining high standards in English and communication skills is essential for some career areas and is useful for all.**
- **Students heading in the direction of medical sciences need to remember that an arts course is required.**
- **If your career interest requires a specific course such as Art, Music, a language, etc then this must be included in your option choices.**

Introduction

This document is designed to help you plan your courses in the Senior College wisely and strategically. All the information you need is contained in this document or the links within. Your choices will determine our option structures, so we ask you to consider your selection carefully. *Note: Courses offered will depend on sufficient student demand.*

Choosing Courses

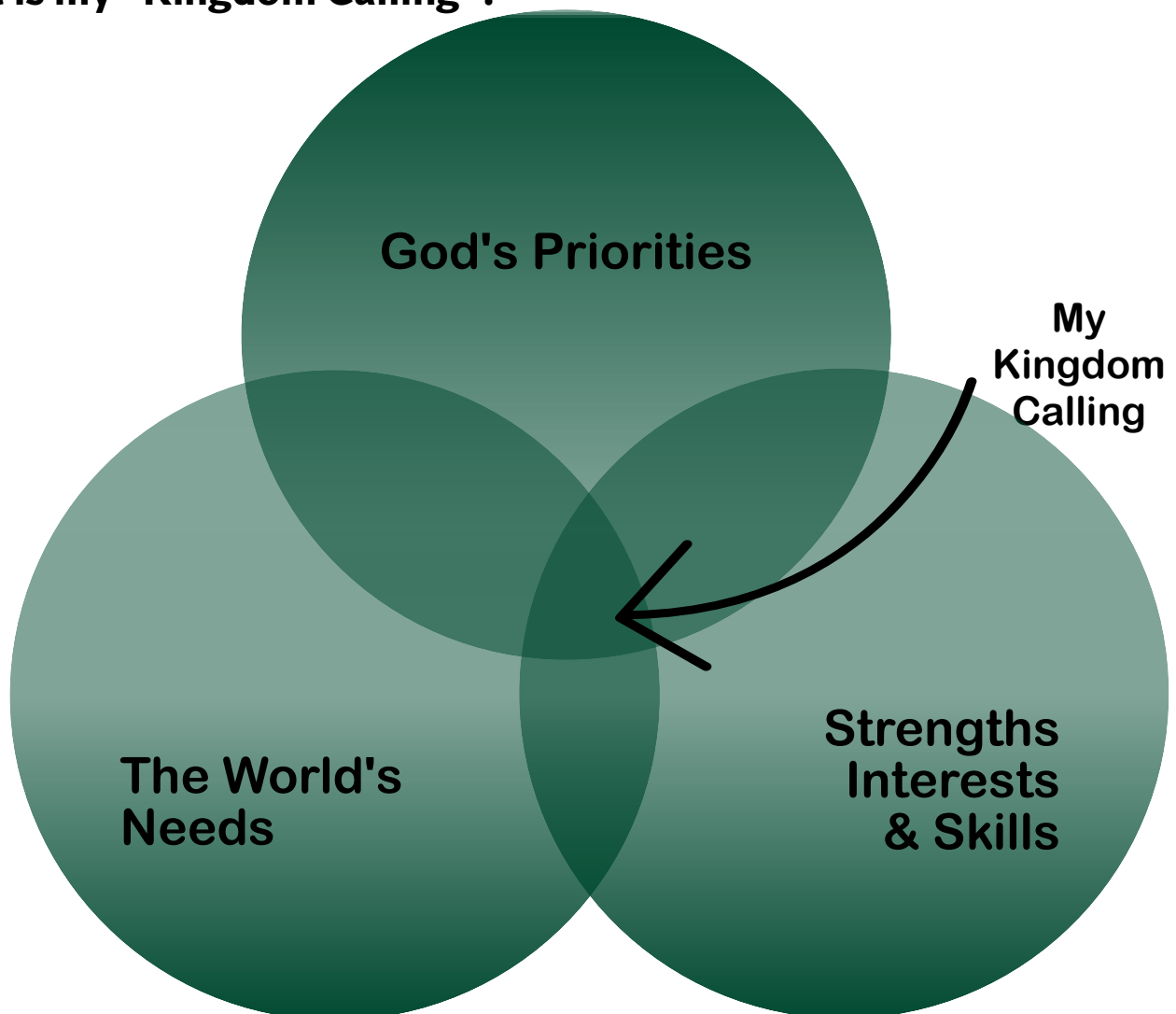
Your education at Middleton Grange involves much more than what you learn during class time. There are many areas in which you might be involved, including sport, music, drama, service, and social situations. Nevertheless, your choice of courses is of profound importance.

It is vital to choose courses which will give you a satisfying and successful year, and one which will prepare you well for the years ahead. Investigate the careers areas you might wish to enter. Check courses and grades required to enter tertiary education. Keep current with developments in chosen careers areas.

God is interested in you and the courses you choose, even though at times it may not be easy to have clear understanding of His direction for you. The Bible has some useful verses which relate to all this, one of which being:

“Commit everything you do to the Lord. Trust him, and he will help you.” Psalm 37:5

What is my “Kingdom Calling”?



Middleton Grange School

2027



Course Subject Overview

	Year 11	Year 12	Year 13
Compulsory Subjects →	Christian Studies English - OR - English A Mathematics Science - OR - Life Sciences	Christian Studies English	Christian Focus Days
Options →	Choose 3	Choose 4 or 5	Choose 5 or 6
	Social Sciences: Commerce Geography History Pasifika Studies Physical Education: Physical Education Drama: Drama Music: Music Visual Art: Painting and Sculpture Photography and Design Learning Languages: Spanish Māori Technology: Design & Visual Technology Food and Nutrition Workshop Technology <i>Digital Technology:</i> Computer Science & Programming Digital Media Skills for Employment & Mathematics: (students will be placed into the appropriate course) Science - choose ONE of: Science - General Life Sciences English - choose ONE of: English Communication English General (co-ed) English General (girls) English General (boys) English Literature English Language (ESOL)	Mathematics: Akoranga Tumu Senior Numeracy Science: Biology Chemistry Physics Social Sciences: Accounting Business Studies Economics Classical Studies Geography History Pasifika Studies Physical Education: Physical Education Technology: Design & Visual Technology Food and Nutrition Workshop Technology <i>Digital Technology:</i> Computer Science & Programming Digital Media Skills for Employment & Education Learning Languages: Spanish Māori Drama: Drama Music: Music Visual Art: Design Painting Photography Alternative Pathways to Qualifications: Intro. to Education & Teaching Tourism & Hospitality English - choose ONE of: English Communication English General (co-ed) English General (girls) English General (boys) English Literature English Language (ESOL)	Christian Studies: Christian Studies English: Cinematic English English Language (ESOL) English Literature Media Studies Mathematics: Calculus Statistics Mathematics & Statistics Senior Numeracy Science: Biology Chemistry Physics Social Sciences: Accounting Business Studies Economics Classical Studies Geography History Pasifika Studies Physical Education: Physical Education Technology: Design & Visual Technology Food and Nutrition Workshop Technology <i>Digital Technology:</i> Computer Science & Programming Digital Media Skills for Employment & Education Learning Languages: Spanish Drama Music: Music Visual Art: Design Painting Photography Alternative Pathways to Qualifications: Intro. to Education & Teaching Tourism & Hospitality

Please submit your option choices by **Friday 11th September** using the **Kamar web portal**.

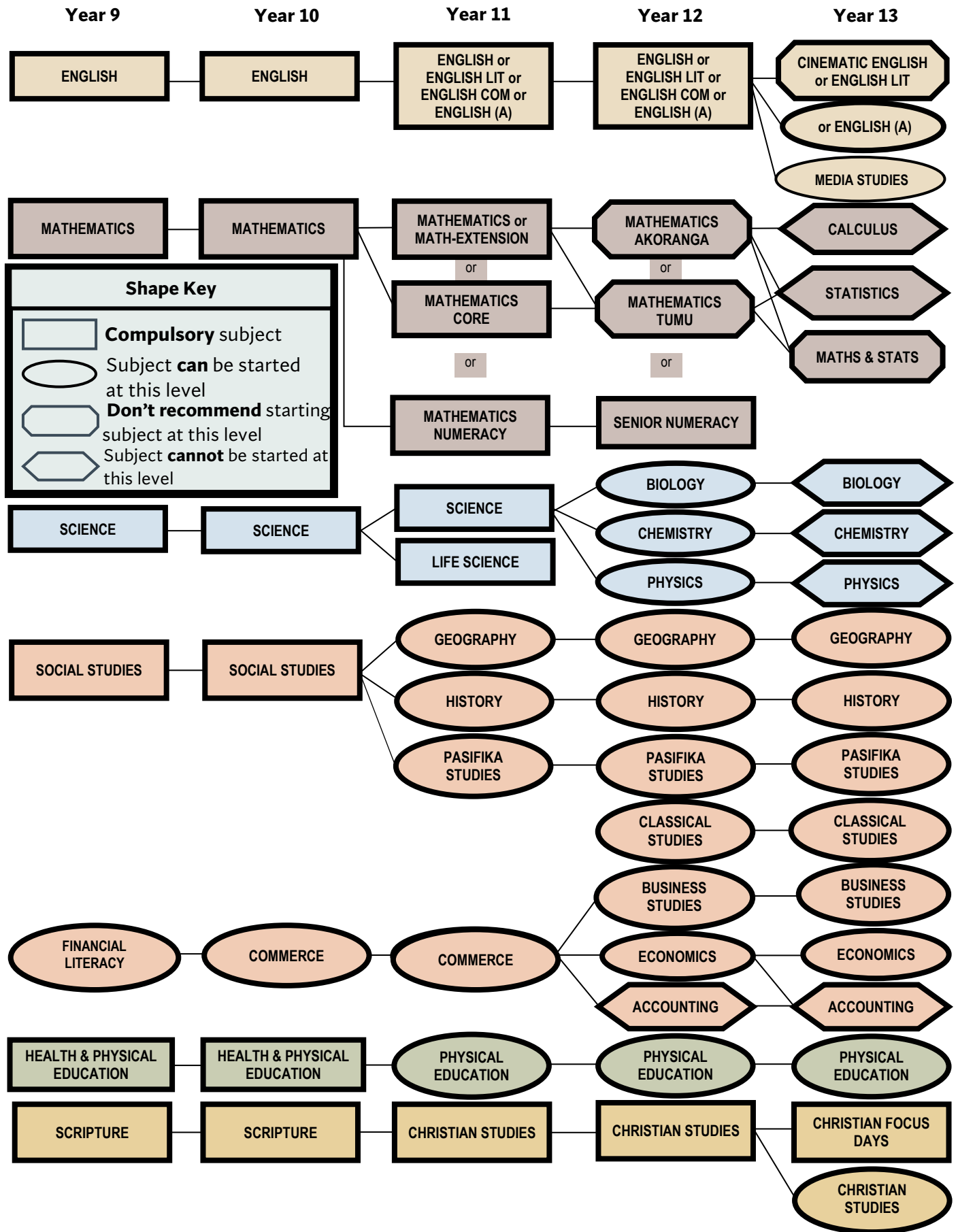
Login details have been emailed to parents/caregivers, not students.

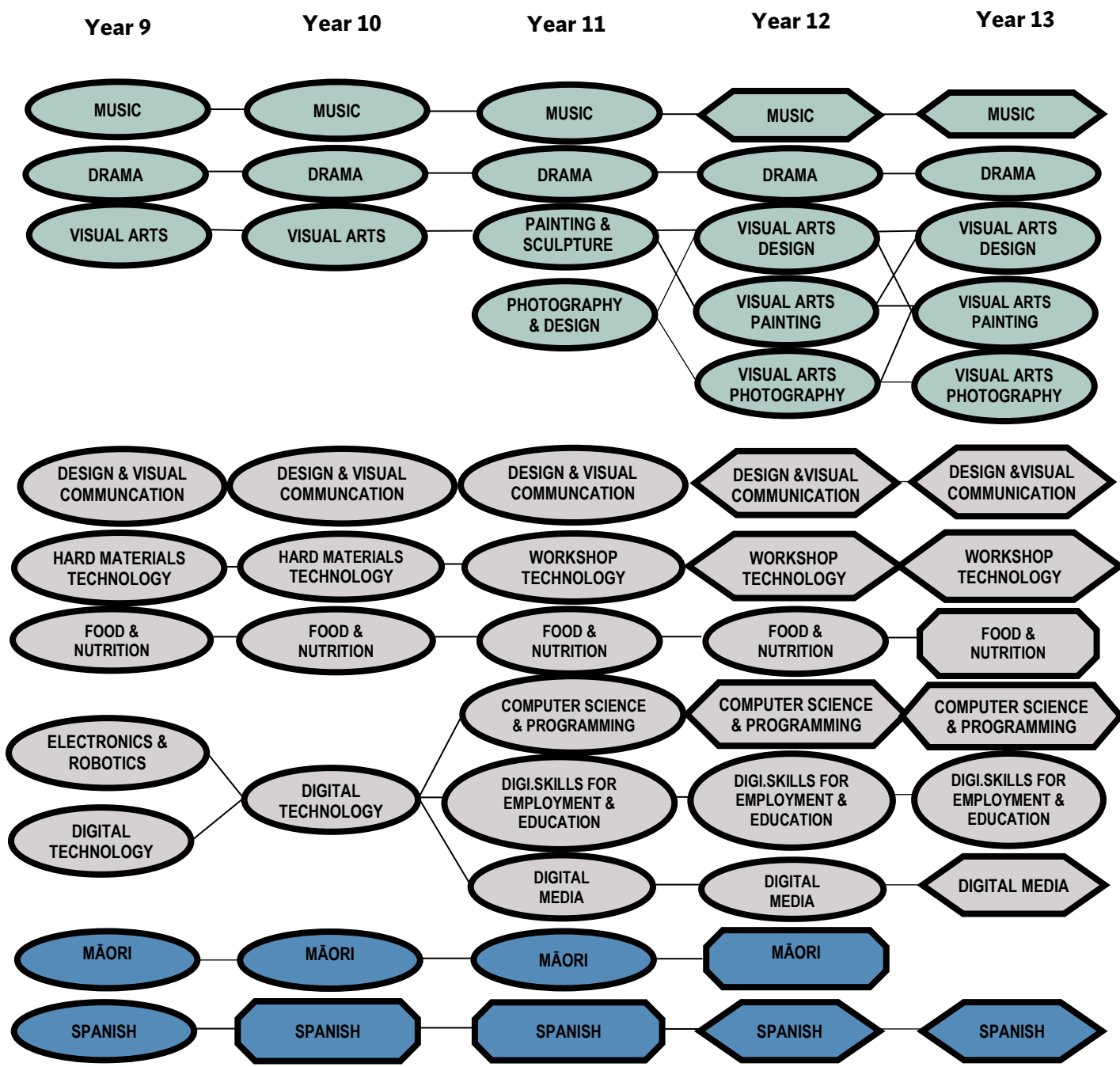
OR If you are leaving MGS, please [click here](#) to email your intentions to our Course Selection co-ordinator instead of option choices.

In December course confirmation will be sent out by email to parents.

If you did not get these choices by email, we have not got your current email address – please update us!

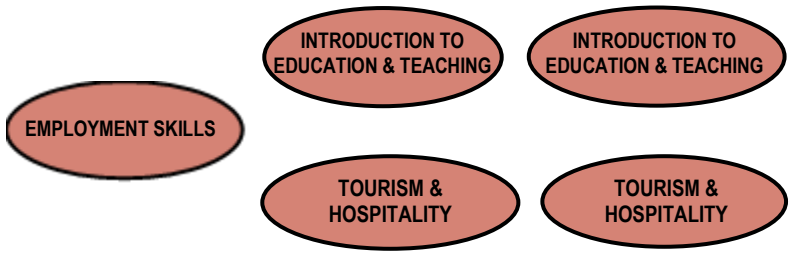
Middleton Grange Subject Pathways





Colour Key		
English	Mathematics & Statistics	Science
Social Science	Physical Ed & Health	Scripture & Christian Studies
Technology	The Arts	Learning Languages

Alternative Pathways to Qualifications



These diagrams are accurate at the time of printing. Subsequent changes may occur as courses develop.

MIDDLETON GRANGE SCHOOL

Year 11 Certificate

The Middleton Grange School Mission Statement reads that we are committed to a rigorous learning culture based on an understanding of truth as revealed in the whole counsel of Scripture. The Year 11 Middleton Grange Certificate allows us to explore this mission statement with integrity and depth.

The focus of our Year 11 programme is to cultivate teaching and learning experiences that enrich our ākonga, guided by Christian values. Our aim is to help students discover the joy that learning holds for each one as they grow in wisdom, faith, and understanding of God's creation. Each curriculum area has designed engaging and relevant courses that prepare students thoroughly for NCEA Levels 2 and 3.

While there is an expectation to complete the Certificate, the focus is on the learning; the assessment is an outcome of the learning and not the priority of it.

The Certificate will help ākonga recognise that learning extends beyond the classroom. Students will have opportunities to experience growth in a variety of settings; including sport, cultural activities, service, the arts, and wider school activities.

The Year 11 qualification will include:

- Rigorous teaching and learning that will prepare students for the academic demands of Level 2 in 2028.
- Opportunities for formal assessment and recognition of achievement.
- The ability to complete NCEA literacy and numeracy requirements, through the co-requisites, if these have not already been achieved.
- Service and co-curricular components.

Shane McConnell

Deputy Principal: Head of Senior College



Graduation Requirements

To successfully complete the Middleton Grange School Certificate, students must:

- Earn a minimum of 60 credits across all their subjects.
- Complete at least 20 hours of service in areas of their choice.
- Participate in at least 20 hours of co-curricular activities in areas of their interest.
- Maintain an attendance rate of 90% or higher.

The certificate will be awarded with one of the following endorsements:

- Excellence
- Merit
- Achieved

Course Assessment

Students will be graded as **Excellent, Merit, Achieved, or Not Achieved** based on specific assessment criteria. Those who consistently achieve high grades may qualify for a prestigious Middleton Grange School Scholar award. These awards, along with other honours, will be presented during the Year 11 Prizegiving ceremony.

Christian Special Character

Middleton Grange School assists families in the education of their children by providing an environment in which the Biblical truths of Jesus Christ are taught and lived. Our special character plays an integral part across the whole Year 11 programme including in lesson content and preparation. We seek to develop and nurture a biblical worldview through all aspects of school life. We work with parents to encourage students in their gifts and abilities to serve God and others.

Curriculum Options

Alongside the compulsory subjects of Christian Studies, English, Mathematics, and Science, students are offered the opportunity to select from a wide range of option subjects. Students will be encouraged to cultivate their talents and embrace challenges with confidence and resilience.

Culture of Service

Middleton Grange School aims to create meaningful opportunities for students to engage in service, following the example of Jesus' servant-hearted leadership. We encourage students to embrace His calling by actively responding to the needs of others. Through practical experience they will be inspired to live out the compassion and dedication exemplified in Jesus' life and ministry.

Extra-curricular

Learning is a holistic journey, and students are encouraged to engage with life beyond the classroom. Extracurricular opportunities allow them to thrive in many areas, developing strengths, talents, and skills that empower them to flourish.

Academic Rigour

We are dedicated to delivering a high-quality teaching and learning programme grounded in a rigorous academic culture and guided by the truth revealed in the entirety of Scripture. Our Year 11 qualification will elevate students' academic achievement and fully prepare them, in line with the NZ Curriculum, for the challenges of Year 12 and 13 NCEA.

Hauora (Pastoral Support/Guidance)

Teachers, Deans, and the Counselling team are there to offer well-being support.

Assessment and Reporting

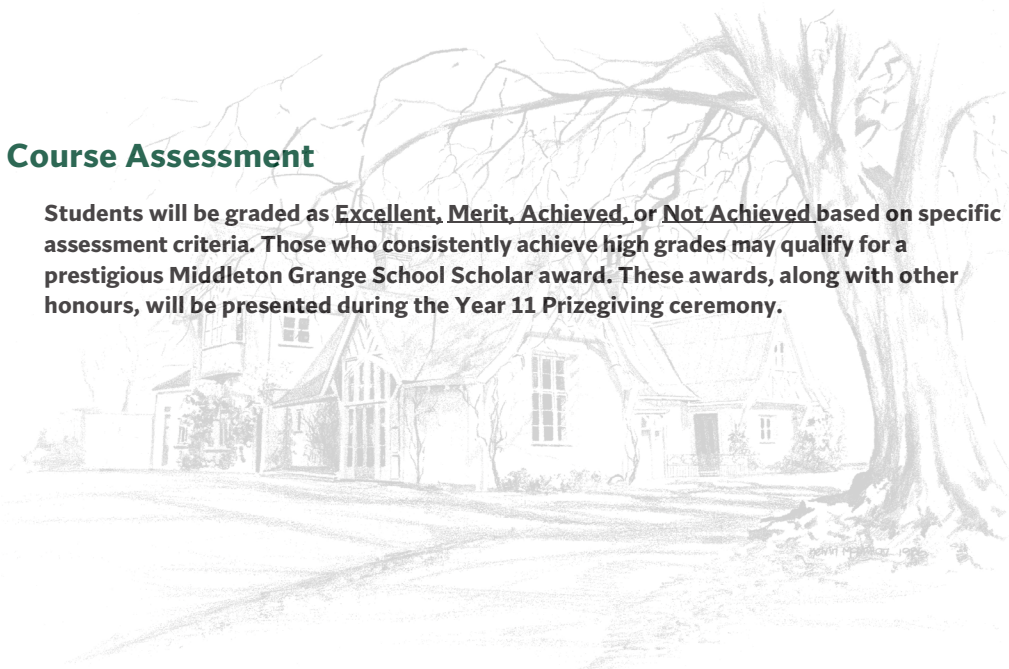
Year 11 teachers will provide regular feedback on progress and achievement. Students and parents can expect timely and valuable reporting.

High Expectations

Middleton Grange School upholds high expectations for both staff and students. The Year 11 programme is designed to challenge and inspire students, fostering growth and excellence through perseverance and diligence. Our commitment is to see every student progress and succeed.

Cultural Competency

Middleton Grange School is committed to honouring the principles of Te Tiriti o Waitangi and foster a vibrant, diverse community. We aim for our Year 11 students to build meaningful connections within this community, equipping them to serve and engage with others respectfully and effectively.



English

There are four separate English course options in Year 11. Head of Faculty (Mr Scott Aitken) and Assistant Head of Faculty (Mrs Cassie Foster) will be happy to provide guidance if required. The Teacher in Charge of ESOL (Mrs Shelley Liken) is very happy to give guidance to any students who have another first language.

English - Communication (11ENC)

This course is for students who struggle with their reading and writing, including those who have not passed their literacy co-requisites tests. Similarly to the other courses, students will complete a literature study, a film study, and examine unfamiliar texts. There will be a greater focus on reading comprehension and the surface features of writing, such as spelling, grammar, punctuation and sentence types and structures. The teacher and students in this course will work alongside the Learning Centre, and this course will enable students the best opportunity to re-sit and pass the literacy co-requisite tests throughout the year, should this be needed.

Assessment Standards:

1.1 Write an essay in response to a written OR film text question (4 credits)

1.2 Research a language or social topic (4 credits)

1.3 Analyse language aspects in unfamiliar texts (4 credits)

1.4 Craft and select pieces for a writing portfolio (4 credits)

English - General 11ENB (Boys' class), 11ENF (Girls' class), 11ENM (Mixed class)

These courses are what most students participate in and will complete a literature study, a film study, examine unfamiliar texts, and be taught a variety of writing genres and purposes, culminating in a choice of writing and styles and options to be assessed on. However, unlike the Literature course, a bit more guidance will be given to the students on the writing styles and options.

Assessment Standards:

1.1 Write an essay in response to a written OR film text question (4 credits)

1.2 Research a language or social topic (4 credits)

1.3 Analyse language aspects in unfamiliar texts (4 credits)

1.4 Craft and select pieces for a writing portfolio (4 credits)

English – Literature (11ENL)

This course enables extension in English for students and is for those who are gifted and talented with English and/or would like to extend themselves. Students who are interested in the possibility of doing English Scholarship in Year 13 should strongly consider this course. They will complete a literature study, a film study, examine unfamiliar texts, and be taught a variety of writing genres and purposes, culminating in having a choice of writing styles and options to be assessed on.

Year 10 achievement levels will be viewed before entry is allowed into this course.

Assessment Standards:

1.1 Write an essay in response to a written OR film text question (4 credits)

1.2 Research a language or social topic (4 credits)

1.3 Analyse language aspects in unfamiliar texts (4 credits)

1.4 Craft and select pieces for a writing portfolio (4 credits)

English A (English Language) 11ENA

This course is specifically designed for Year 11 learners for whom English is not their first language, so that they can increase their knowledge of English vocabulary and grammar and gain skills in speaking, listening, reading and writing. With smaller class sizes and specialist teachers, the aim is to enable these students to have sufficient English to access the curriculum and the Special Character of our School. Students will study a range of culturally appropriate texts and speak and write for a variety of purposes. This course will also include work to build the skills required for the co-requisite literacy requirements for NCEA.

Unit/Assessment Standards:

US 27999 Write a simple connected text on a familiar topic in English language (5 credits)

US 30995 Read and understand a straightforward text on a familiar topic in English language (5 credits)

US 31026 Present information on a familiar topic in English language (5 credits)

EngLa 1.2 Show understanding of specified aspects of a studied visual or oral text, using supporting evidence (3 credits)

Mathematics and Statistics

Mathematics is an important part of God's creation. As we learn more about Mathematics, we also learn more about the incredible universe that God made. Mathematics and Statistics equip students with effective means for investigating, interpreting, explaining, and making sense of the world in which they live.

Mathematics is a compulsory subject in Year 11. In Terms 3 and 4 of 2026, teachers will have discussions with students about which Mathematics course is the most appropriate for them. Students who have not yet met the NCEA Numeracy co-requisite should (in most cases) take either the Core or the Numeracy course.

Mathematics (11MAT)

This course covers a broad range of topics including Algebra, Number, Geometry and Statistics. This course suits those who intend to continue Mathematics and Statistics study in Year 12 and possibly Year 13.

In most cases the students in this course would have already gained the NCEA Numeracy Co-Requisite US32406, but where this is not the case, additional opportunities will be provided.

Specific costs: Scientific calculator (fx-82 or similar)

Assessment Standards:

1.2 Apply Algebraic Techniques to Solve Problems (4 credits)

1.3 Use Graphical Methods to Explore Problems (4 credits)

1.4 Use Measurement and Geometry to Solve Problems (4 credits)

1.6 Investigate Multivariate Data Using the Statistical Enquiry Cycle (4 credits)

Mathematics – Extension (11MTX)

This course is designed for those students who have strong mathematical skills and understanding and enjoy academic rigour, a faster pace of learning and exposure to a broad range of mathematical concepts. Students who take this course will be entered into the Senior Maths Competition.

Students who would like to be considered for this course are selected based on their performance in Year 10, an entry test and teacher recommendations.

Small charges may be incurred for national and international mathematics competitions which students are encouraged to enter.

Specific costs: Scientific calculator (fx-82 or similar)

Assessment Standards:

1.2 Apply Algebraic Techniques to Solve Problems (4 credits)

1.3 Use Graphical Methods to Explore Problems (4 credits)

1.5 Apply Geometric Reasoning in Solving Problems (4 credits)

1.6 Investigate Multivariate Data Using the Statistical Enquiry Cycle (4 credits)

Mathematics – Core (11MAC)

This course is designed for students who find some aspects of Mathematics study challenging but have still experienced some success. It suits those who prefer to work at a slower pace.

Students who have not yet met the NCEA Numeracy co-requisite should (in most cases) take this course or the Numeracy course.

Specific costs: Scientific calculator (fx-82 or similar)

Assessment Standards:

1.1 Use Numerical Methods to Solve Problems (4 credits)

1.4 Use Measurement and Geometry to Solve Problems (4 credits)

1.6 Investigate Multivariate Data Using the Statistical Enquiry Cycle (4 credits)

1.7 Explore and Apply Probability Concepts (4 credits)

Mathematics - Numeracy (11MAN)

The focus of this course is on gaining the Numeracy Co-Requisite, but some other standards may be offered where appropriate. These would be a selection from:

Assessment Standards:

1.1 Use Numerical Methods to Solve Problems (4 credits)

Achievement Standards:

91256 Apply coordinate geometry methods in solving problems (2 cr)

91260 Apply networks methods in solving problems (2 cr)

91576 Use critical path analysis in solving problems (2 cr)

91944 Explore data using a statistical enquiry process (5 cr)

Specific costs: Scientific calculator (fx-82 or similar)

Physical Education and Health

Physical Education (11PED)

Physical Education is a subject that reflects the benefits of movement in the physical and mental capacities. Students will experience the God given joys of movement in a wide range of familiar and unfamiliar contexts, making links to body responses to the activities along with some biophysical components.

Through these activities (which will include an Outdoor Education unit), students will learn to relate positively with others, developing character and life skills that can be used in all areas of life. The aspects include belonging, honour, resilience, working with others, personal challenge and development, skill development, and self-reflection. Students will also learn about social and cultural significances for the role physical activity plays in the wellbeing of individuals, groups, and communities.

This level scaffolds from the Middle School programme as they work towards Level 3 NCEA, with a biblical worldview of wellbeing. They will be equipped to manage their wellbeing (hauora) in a lifelong capacity, contributing also to the wellbeing (hauora) of others and society.

Costs to consider:

One possible (optional) outing, approximately \$20

Optional First Aid Course, approximately \$35

Assessment Standards:

1.1 Demonstrate, and reflect on Kotahitanga (school values) (4 credits)

1.2 Demonstrate and show understanding of responsible behaviour for self and others in team roles (4 credits)

1.3 Demonstrate understanding of body function in relation to physical activity (4 credits)

1.4 Demonstrate quality performance in physical activity (4 credits)

Science

Science is compulsory in Year 11 so students must choose between 11SCI and 11SCA

Science (11SCI)

11SCI is an engaging course that builds on the foundation of Science from Years 9 and 10. It covers big ideas from Biology, Chemistry and Physics and helps students to explore and better understand the physical world around them, while simultaneously bringing glory to God who put it all together. Year 11 Science lays the foundation for the Level 2 subjects of Biology, Chemistry and Physics.

Assessment Standards:

1.1 Demonstrate understanding of atomic theory and factors that affect rates of reaction (4 credits)

1.2 Demonstrate understanding of a physical phenomenon through investigation (4 credits)

1.3 Demonstrate understanding of energy; genetics; and chemical reaction types (5 credits - end of year exam)

1.4 Demonstrate understanding of biological ideas relating to the cardiovascular system (3 credits)

Life Science (11SCA)

The Year 11 Life Science course is designed for students who have previously found science challenging. Life Science explores living things, their interactions with the world around them, and practical, science-based life skills that will be valuable beyond school. This course focuses on the key areas of biology and life sciences, with some overlap with the general science course. It emphasises a strong understanding of the essentials, giving students more time and support to build confidence and secure their foundational knowledge.

The specific units conducted will be tailored to learners in the class, but may include standards based on the following topics:

God's Design at a Microscopic Level - Investigate biological material at the microscopic level

Agriculture - How cows produce milk and Environmental Impact of a Primary Product

Human Body & Function - Practical investigation (e.g. heart rate) and Basic human anatomy and physiology

Living in God's World - How organisms survive in extreme environments

Scripture/Christian Studies

Christian Studies (11CHR)

Year 11 Christian Studies provides an overview of the metanarrative of the whole Bible, and an introduction to how the Gospel came to New Zealand. The aim is for students to gain a greater understanding of the whole Bible so that they can better understand the Word of God for themselves. In first and second term, students are introduced to the promises God made in the Old Testament, and to issues related to the reliability of the Bible. Towards the end of second term, students then begin to examine how the promises in the Old Testament are fulfilled by Jesus in the New Testament. A brief overview of the New Testament is then provided. Finally, in fourth term, an examination of how the Gospel first came to New Zealand is then undertaken.

1.1 Demonstrate understanding of the Old Testament and Canon (3 credits)

1.2 Describe key messages in a New Testament narrative (5 credits)

1.3 Demonstrate understanding of the New Testament (5 credits)

1.4 Research Assignment on the Gospel coming to New Zealand (3 credits)

Christian Studies International (11CHI)

This course introduces students to the Bible, Christianity and the life and teachings of Jesus. Students begin with key people and stories from the Old Testament before exploring the life of Jesus through the Gospel of Luke, including his teachings, parables, death and resurrection, and their significance for Christians today. Students will explore Christian values such as love, forgiveness, compassion and service, before researching and presenting on a Christian organisation and its impact in the world today. Through Youth Alpha, students are encouraged to ask the bigger questions about life, faith, meaning and worldview in a safe and respectful environment. The course is an excellent choice for students with little or no prior knowledge of Christianity, as well as English Language Learners, with an emphasis on accessible learning, discussion and asking questions.

Display knowledge of Old Testament facts and characters (4 credits)

Conduct and present research on a Christian-based organisation (4 credits)

Demonstrate understanding of the book of Luke (4 credits)

Complete consistent Bible reading and reflections (4 credits)

Social Sciences

Commerce (11COM)

Commerce skills and knowledge are essential for everyone in today's world. This course is an introduction to the fundamental skills in commerce, particularly those needed to interpret accounting and financial information and to understand how economic decisions are made.

11COM introduces the ideas of how a modern economy like New Zealand's works. You will begin to analyse consumer and producer behaviour and the issues that are impacting the New Zealand economy. You will learn the language of business and the financial skills to complete the accounting process for a small business. Year 11 Commerce will provide the recommended pre-requisite knowledge for further commerce study in Accounting and Economics at NCEA Level 2.

Assessment Standards:

1.1 Demonstrate understanding of demand and supply (4 credits)

1.2 Demonstrate understanding of the market (4 credits)

1.3 Prepare financial statements for sole proprietors (4 credits)

1.4 Analyse and interpret accounting information for sole proprietors (4 credits)

Geography (11GEO)

Geography is a synthesising subject. It draws on a variety of disciplines to enable students to view their world as an integrated whole. It can be pursued as a subject in itself, but a wide range of other subjects can be allied to Geography in order to create powerful tools for future study and work. Our world faces serious challenges, poverty, human rights abuses, environmental degradation. People trained in Geography make excellent stewards of God's creation and are able to speak knowledgeably into the issues of our day, partnering with God in His redemptive work in the world. The course in Year 11 is deliberately broad, in order to give you a solid foundation of skills and knowledge. Future years build on this foundation and become progressively more focused.

Assessment Standards:

1.1 Apply concepts and basic skills in Geography (4 credits)

1.2 Demonstrate understanding of how natural processes shape a South Island environment (3 credits)

1.3 Analyse a spatial distribution and its impacts on the environment (4 credits)

1.4 Conduct geographic research under direction (5 credits)

History (11HIS)

The study of History is an essential academic discipline that delves into the past to understand and interpret the events, cultures, and societies that have shaped the world we live in today. The study of History also emphasizes critical thinking and analysis, prompting students to examine different historical perspectives and draw their conclusions based on evidence. Furthermore, the study of history encourages empathy and an understanding of diverse cultures, fostering an appreciation for God's creation and the inherent worth of every individual. Contexts studied in the course will be selected from the 1981 Springbok Tour, Civil Rights in the US, Origins of WWII, NZ's involvement in WWII and various NZ contexts. Contexts will be selected prior to the start of the 2027 academic year.

Assessment Standards:

1.1 Engage with a variety of primary sources in a historical context (4 credits)

1.4 Demonstrate understanding of perspectives on a historical context (4 credits)

1.2 Describe the causes and consequences of an historical event (4 credits)

1.3 Interpret sources of an historical even of significance to New Zealanders (4 credits)

Pasifika (11PAS)

This class is inclusive and open to all ethnicities and will appeal to students who identify with or who are interested in Pacific history, culture, literature, and contemporary socio-political issues.

Students will be taught according to MGS Certificate Assessment Standards. The content of the course will steer towards the students' interests and members of the Pasifika community and other academics will be invited in to share their knowledge on various topics. Students who take Pasifika Studies in Year 13 will not study the same topics.

There will be a range of class activities and an additional option to study Tongan (at Christchurch Boys' High on Fridays Term 3), or Samon through Te Kura Correspondence School.

The class is combined with Years 12 and 13 for instruction, but students will complete assessments appropriate to their year.

Assessment Standards:

1.1 Describe consequences of cultural change(s) (4 credits)

1.2 Report on personal involvement in a social justice and human rights issue (4 credits)

1.3 Describe a social justice action (4 credits)

1.4 Draw a conclusion after an investigation into an aspect of Pacific society with direction (4 credits)

Design and Visual Communication (11DVC)

Design and Visual Communication provides students with a grounding in the design process and visual communication techniques. Applying a design process is comparable to problem solving and so becomes a generic skill that is relevant in all fields of endeavour. To be able to communicate effectively with visual techniques is equally a valuable skill applicable in many fields of endeavour, not just design careers and trades. Consequently, skills in DVC offer a student a further “string to their bow” when it comes to possible career options in the future. Having an interest in design and/or drawing is appropriate, however, DVC is not Art and so competency with art skills is not a prerequisite.

Most students enjoy good success in DVC.

The course consists of four areas of study:

- Design Process
- Freehand Sketching
- Instrumental Drawing
- Presentation

It is advantageous for students to have completed a Middle School DVC course in order to confidently attempt a Year 11 course, however, this is NOT a requirement as all knowledge and skills can successfully be learned at Year 11.

DVC aims to develop a student’s ability in design, drawing, and presentation.

All assessments are generated through both Product and Spatial project work that will be completed during the year.

Design Projects are the means to develop an effective design process, to develop proficiency in both freehand sketching and instrumental drawing skills, and to develop quality presentation techniques.

Where appropriate, design outcomes will reflect consideration of the needs of the end user and/or a design influence.

The course leads naturally through to an NCEA Level 2 DVC and then to either NCEA Level 3 DVC or to tertiary study for those who wish to take it further.

Assessment Standards:

1.1 Design Process: Designing for people (3 credits)

1.2 Visual Communication Techniques: Formal modes (5 credits)

1.3 Design Process: Design in the environment (5 credits)

1.4 Visual Communication Techniques: Representation (3 credits)

Food and Nutrition (11FNT)

This course focuses on Level 6 of the Health and Physical Education Curriculum. It offers students the opportunity to experience and participate in a wide range of Food and Nutrition activities in a variety of contexts with a strong focus on Kaitiakitanga, Manaakitanga and Whakawhanaungatanga. This course will equip students with the necessary skills to maintain their own personal wellbeing both now and in the future; as well as prepare them for future academic and vocational opportunities. They will be able to make informed, critical decisions about food and make choices that will contribute to both their own well-being and that of other people. The practical food experiences have been designed to help develop health-enhancing attitudes to food and nutrition. The *Underlying Concepts* of Food and Nutrition are Hauora, Attitudes and Values, Health Promotion and The Socio-ecological Perspective.

The *big ideas* behind 11FNT include:

- Hauora needs to be approached through a holistic understanding
- Tiakitanga, manaakitanga, and whanaungatanga are vital to enhance the hauora of individuals, whānau, and communities
- Understanding hauora requires consideration of the complex and interconnected nature of personal, interpersonal, and societal perspectives.

The [Foundational Principles for Curricula](#) are woven throughout the whole year as we think through complex topics, celebrate diverse cultures and perspectives, and look for the truth amongst a world of marketing ambiguities.

Course Fee – Important note

The cost of providing ingredients for the practical component of *Food and Nutrition* is considerable. A fee of **\$170** applies to help cover these expenses. Students are able to take home the food they prepare in class. By selecting *Food and Nutrition*, you are agreeing to be invoiced for this amount at the beginning of the course.

Assessment Standards:

1.1 Demonstrate knowledge of practices and strategies to address food handling issues (4 credits)

1.2 Demonstrate knowledge of an individual's nutritional needs (4 credits)

1.3 Demonstrate understanding of interpersonal and societal influences on an individual's food choices and well-being (4 credits)

1.4 Demonstrate understanding of how packaging information influences an individual's food choices and well-being (4 credits)

Workshop Technology (11WTC)

The Year 11 course for WTC has three desired outcomes:

- For students who are considering a vocation within the construction industry, this course will serve as the first step in preparation for industry training.
- For students who see WTC as more of a hobby, we will assist them in honing useful skills for application in day-to-day life.
- For all students there will be the opportunity to experience hands-on learning in a safe and structured environment, and the necessary training to prepare them to successfully approach Workshop Technology at Level 2.

Practical work is emphasised, covering a selection of historical and modern construction and finishing techniques, as well as digital fabrication. Time management, problem solving, and motor skills are refined, and safe working practices that are expected in practical vocations are developed. Alongside practical work, students learn to identify and mitigate hazards in the workplace, interpret and construct technical drawings, and plan/prepare project documentation prior to construction to help ensure a quality outcome.

Special Character Elements

- **Service** – honing the skills and mindset to be able to assist people inside and outside of school. *Galatians 5:13–14* “Who is my neighbour?” *1 Peter 4:10*
- **Stewardship** – highlighting sustainability and caring for the things that God has put in our control. *Genesis 1:26–28, 2:15*
- **Communication** – Identifying the important information required within plans and instructions, and testing it's ‘fit for purpose’. *Ark Case Study, Genesis 6.*

Course Fee – Important note

The cost of providing materials for the practical component of *Workshop Technology* is considerable. A fee of **\$150** applies to help cover these expenses. Students are able to take home the projects they build in class. By selecting *Workshop Technology*, you are agreeing to be invoiced for this amount at the beginning of the course.

Assessment Standards:

- 1.1 Demonstrate knowledge of safe working practices (3 credits)**
- 1.2 Select, use, and maintain basic workshop tools (3 credits)**
- 1.3 Interpret and demonstrate rudimentary project documentation (5 credits)**
- 1.4 Apply developed skills and knowledge in the construction of a workshop project (5 credits)**

Digital Technology Subjects

**** Year 11 students may choose ONLY ONE of the three digital technology subjects listed below****

Computer Science and Programming (11DTC)

As society becomes increasingly dependent on the digital tools of the current age, this course provides a solid foundation for careers in computing, especially Software Engineering, and the study of Computer Science at tertiary level. It also provides the foundation for more advanced NCEA courses in Year 12 and 13. Students will learn how to:

- design and develop computer programs (using Python)
- use online project management tools
- build databases
- create websites using HTML and CSS
- understand algorithmic logic and how compression coding is used by computers

This course requires the use of Microsoft Access. The software is free, but students will need to have access to a computer running Windows 10 or 11.

Students should enjoy solving computational problems. Those whose strengths include Maths and English are most likely to succeed.

Assessment Standards:

1.1 Develop a computer programme (4 credits)

1.2 Use basic iterative processes to plan and develop a digital outcome (4 credits)

1.3 Develop an outcome to manage data (4 credits)

1.4 Demonstrate understanding of compression coding for a chosen media (4 credits)

Digital Skills for Employment and Education (11DTS)

This course equips students with essential digital literacy skills and builds a strong foundation for future study and employment. Students develop proficiency in word processing, spreadsheets, presentations, and desktop publishing, while learning to create high-quality, well-formatted digital content. The course also covers ergonomic principles for the safe and effective use of computer workspaces, accurate and efficient typing and data entry techniques, and design principles for digital presentations and printed documents. On completion, students will be well prepared to further develop these skills in Years 12 and 13.

Topics studied include:

- ergonomics
- design principles
- touch typing
- file management
- word processing using Microsoft Word
- spreadsheets using Microsoft Excel
- presentations using Microsoft PowerPoint
- desktop publishing using Microsoft Publishing

Assessment Standards:

1.1 Creating spreadsheets and graphs (3 credits)

1.2 Create and format word processed documents (4 credits)

1.3 Create and present digital presentations (5 credits)

1.4 Ergonomics and Design Principles (3 credits)

Digital Technology Media (11DTM)

Level 1 Digital Technology Media provides students with a strong foundation in developing digital media outcomes and prepares them for further study at Levels 2 and 3. Students learn to investigate, plan, design, create, edit, and refine a range of digital media outcomes while developing practical computing and design skills. Students gain experience using a variety of industry-standard and commonly used software, including:

- **Microsoft Office:** Word and PowerPoint
- **Adobe Creative Cloud:** InDesign, Photoshop, Illustrator, and Premiere Pro
- **Internet-based tools:** Research, investigation, and sourcing digital content

Throughout the course, students will:

- Investigate and develop a proposal for a digital outcome
- Design digital technology outcomes for a specific purpose and audience
- Use iterative processes to plan, develop, test, and refine their work
- Create digital media outcomes using appropriate tools and techniques
- Develop practical digital skills applicable to further study, employment, and everyday life

There are no pre-requisites, however students who have completed Digital Information Technology courses in Year 9 or 10 will be very well prepared.

Assessment Standards:

1.1 Develop a proposal for a digital outcome (4 credits)

1.2 Develop a digital technologies outcome (4 credits)

1.3 Use basic processes to plan and develop a digital outcome (4 credits)

1.4 Design a digital media outcome (4 credits - exam)

Learning Languages

Spanish (11SPA)

Year 11 Spanish is a full-year course that builds on the foundations laid in Year 10. It is designed to develop students' social and functional competence in the Spanish language. By the end of the course, students will be able to interact with Spanish speakers in familiar and social situations and will have strategies to manage less familiar contexts. They will begin to use basic language spontaneously and show a growing confidence in experimenting with new language. Students will be able to read simple texts independently and write short passages, personal letters, and basic formal letters. They will also be developing their language learning strategies.

The course objectives and content align with Levels 5 and 6 of Spanish in the New Zealand Curriculum, and includes the following topics:

Myself
Daily Routine
Family
Free time
School
Shopping
Holidays
Health

Students must have completed the Year 10 course (or equivalent). On occasions, a very motivated and able student could join in Year 11 with only one year of Spanish study behind them, but only by negotiation with Head of Faculty.

Assessment Standards:

1.1 Interact using spoken Spanish to share and respond to information, ideas and opinions (4 credits)

1.2 Communicate in Spanish for a chosen purpose (4 credits)

1.3 Demonstrate understanding of written Spanish related to everyday contexts (4 credits)

1.4 Demonstrate understanding of spoken Spanish related to everyday contexts (4 credits)

Māori (11MAO)

Year 11 Māori builds upon the language structures, vocabulary and customs learned in previous years, and prepares students for the reading, writing and listening requirements of assessments. Application and diligence in learning grammar and vocabulary are required for progress to be made. Students will gain a deeper understanding of the taha Māori (Māori aspect) of our nation.

To gain entry into Year 11 Māori, students must have completed the Year 10 Māori course to satisfactory level, or seek permission from Mātua Pairama.

Assessment Standards:

1.1 Demonstrate knowledge and skills of performance components (5 credits)

1.2 Demonstrate knowledge of people associated with kapa haka (5 credits)

1.3 Mihimihi – Communicating in te reo Māori (5 credits)

1.4 Panui – Read to understand in te reo Māori (5 credits)

Costs to consider:

- Optional day trips, approx \$20 each
- Optional overnight Marae visit, approx \$150
- Optional Māori Dictionary

Assessment Standards:

1.1 Te whakapuaki whakaaro e pa ana ki tetahi horopaki e ora nei e te reo (4 credits)

1.2 Demonstrate knowledge of performance components (4 credits)

1.3 Demonstrate knowledge of people associated with Kapa Haka (4 credits)

1.4 Listen to understand the language of this world (4 credits)

Drama

Drama (11DRA)

Studying Drama at Year 11 requires the desire and ability to work in a disciplined, co-operative and creative environment. Drama offers students the opportunity to access and develop both the 'personal' self and the 'social' self through the development and outworking of performance activities, play building, improvisation and stagecraft. Although there are an increasing number of career pathways open to the Drama graduate, the core of the course work, at this level, finds its greatest value in the strengthening of the readily transferable and sought after skills of:

- Public speaking and effective use of voice to communicate, persuade, challenge and enthuse
- Overcoming social anxiety and developing confidence and poise
- Sustaining focus, working with others, accepting responsibility and offering leadership
- Analysis, offering and accepting critique, and recognising key ideas
- Empathy – exploring life from the perspective of another, withholding judgement
- Recognising the significance of story and how story can be used to bring change for good

Students of Drama are encouraged to view live theatre productions to observe and experience the work of those skilled in the craft. Often schools are offered a discounted price by theatre companies, and students may wish to take advantage of these discounts by attending a performance as part of a group.

The content of the course will include:

- The development of the Techniques of the actor
- The study and application of the Elements of Drama
- Experiencing Drama from the perspective of the audience
- Working within the theatrical medium as an actor and a designer; including the creation and the performance of dramatic works

Assessment Standards:

1.1 Apply drama techniques in a dramatic context (4 credits)

1.2 Demonstrate understanding of the use of drama aspects within live performance (4 credits)

1.3 Use features of a drama/theatre form in a performance (4 credits)

1.4 Perform an Acting Role (4 credits)

Music

Music (11MUS)

This course teaches and develops skills in performance, composition, aural and musical knowledge. It is aimed at preparing students for NCEA Level 2 Music. It is an excellent all-round course for students wishing to further develop their musical skills.

Students *MUST* be able to play an instrument (which includes voice) to a reasonable standard (approximately 3 years minimum tuition) and are continuing to receive tuition on the instrument while in the course. A compulsory audition will be held at the beginning of 2027 as a requirement for the course. Basic theory skills (i.e. reading treble clef notation) are assumed. Students in this course are expected to participate in a school music group.

Assessment Standards:

1.1 Perform two pieces of music as a featured soloist (3 credits)

1.2 Demonstrate ensemble skills through performing a piece of music as a member of a group (3 credits)

1.3 Compose two original pieces of music (5 credits)

1.4 Demonstrate skill and knowledge in music theory and aural (5 credits)

Visual Art

Painting and Sculpture (11ARP)

“Yet you, LORD, are our Father. We are the clay; you are the potter; we are all the work of your hand.” Isaiah 64:8

In this course, students explore the theme of Belonging by reflecting on their faith, identity in Christ, and cultural heritage. Through research, observation, and creative experimentation, students develop ideas that are personally meaningful and visually engaging.

Students build skills in drawing, painting, and sculpture while exploring a variety of materials, techniques, and artistic processes. Along the way, they document their ideas, experiments, and artistic development in a workbook.

The course culminates in a ceramic sculpture and a one-board folio that showcases each student's creative journey, technical growth, and personal voice.

This course is ideal for students who enjoy making art, exploring ideas, and expressing themselves through creative practice.

Limited places are available in this course; preference will be given to students who have studied Art in Year 9 & 10.

Assessment Standards:

Art 1.1 Create workbook pages that inform art practice by exploring concepts, processes and conventions (4 credits)

Art 1.2 Produce a resolved artwork appropriate to established art making conventions (3 credits)

Art 1.3 Generate artwork that uses methods and skills to record information using wet and dry media (4 credits)

Art 1.4 Create a related series on an A1 folio board (5 credits)

Costs to consider

This course does require a considerable stationery cost (estimated \$90), with clay and specialty paper an additional \$30.

Photography and Design (11APH)

"I praise you because I am fearfully and wonderfully made." Psalm 139:14

In this course, students explore the theme of *Belonging* through photography and design, reflecting on their faith, identity in Christ, and cultural heritage. Using imagery, symbolism, and visual storytelling, students develop creative responses that communicate personal meaning.

Students learn photographic and design techniques while experimenting with composition, image-making, digital processes, and visual communication. They research artists, photographers, and design principles, collect imagery, and document their creative development in a workbook.

The course culminates in a one-board folio that showcases the skills, techniques, and creative processes developed throughout the year.

This course is ideal for students who enjoy photography, creative problem-solving, and communicating ideas through visual media.

Limited places are available in this course; preference will be given to students who have studied Art in Year 9 & 10.

Assessment Standards:

- Art 1.1 Create workbook pages that inform art practice by exploring concepts, processes and conventions (4 credits)**
- Art 1.2 Produce a resolved artwork appropriate to established art making conventions (3 credits)**
- Art 1.3 Generate artwork that uses methods and skills to record information using wet and dry media (4 credits)**
- Art 1.4 Create a related series on an A1 folio board (5 credits)**

Costs to consider

This course does require a stationery cost (estimated \$40), with specialty paper and printing an additional \$30.

Alternative Pathways to Qualifications

Employment Skills

This internally assessed course focuses on building key employability skills while guiding students in exploring potential career pathways. It offers valuable life and employment skills, provides Level 2 credits towards NCEA, and is directly relevant to future careers. With flexible assessment options, in-class learning support, smaller class sizes, and self-paced learning, this course ensures a tailored and practical learning experience.

Entry into the course is at the discretion of the Head of Senior College, and Special Educational Needs Coordinator. This course is subject to numbers and resource available at beginning of 2027.

Unit Standards be a selection of (but not limited to):

- 4252 Produce a targeted CV (2 credits)**
- 4253 Demonstrate knowledge of job search skills (3 credits)**
- 4261 Identify legal rights and obligations in relation to motor vehicle ownership and operation (3 credits)**
- 6400 Manage First Aid in an emergency situation (2 credits)**
- 33019 Communicate in an organisation (3 credits)**
- 24695 Explain taxation and other deductions relating to personal income (2 credits)**
- 337 Demonstrate knowledge of diversity in workplaces (2 credits)**

Year 12

English

There are multiple courses in Year 12. Contact the Head of Faculty, Mr. Aitken, or the Assistant Head, Mrs. Fiona McDonald, for further information about courses at this level.

The Teacher in Charge of ESOL is very happy to give guidance to any students who have another first language.

English - Communication (12ENC)

Course Description

This course offers Level 2 standards designed to support students with diverse learning needs. It provides pathways towards achieving both general literacy and University Entrance (UE) literacy credits.

While the course does not include the Level 2 Writing Portfolio, which provides UE writing literacy credits, students can still gain UE literacy credits through the two external examinations and the Level 2 Research Assessment (AS91105).

Pre-requisites

Entry is based on achievement data obtained from Year 11 English.

Internal Achievement Standards

These are assessed during the year

91102 Construct and deliver a crafted and controlled oral text

91105 Use information literacy skills to form a developed conclusion

91107 Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence

Credits Available

3 Literacy Credits

4 Literacy Credits

3 Literacy Credits

(External) Achievement Standards

These are assessed in the November NCEA examinations

91098 Analyse specified aspect(s) of studied written text(s) supported by evidence

4 UE Reading/Literacy Credits

91100 Analyse significant aspects of unfamiliar written text(s) through close reading,

4 UE Reading/Writing Credits

English – Literature (12ENL)

Course Description

An academic course geared towards higher English study, and possibly towards Scholarship. It will involve development of advanced reading skills, the study of a number of literary texts, and development of a range of writing and speaking skills.

Achievement standards up to a total of 21 credits will be offered.

Pre-requisites Satisfactory grades from Year 11, or by negotiation with Head of Faculty

Achievement Standards

Number of Credits

Ext. Int.

91098 Analyse specified aspects of studied written text(s) through close reading, supported by evidence. **4**

91100 Analyse significant aspect(s) of unfamiliar written text(s) through close reading, supported by evidence **4**

91101 Produce a selection of crafted and controlled writing. **6**

91102 Construct and deliver a crafted and controlled oral presentation. **3**

91104 Analyse significant connections across texts, supported by evidence. **4**

OR

91105 Analyse aspects of visual and/or visual text(s) through close viewing and/or listening, supported by evidence. **4**

Total Credits: 21

English - General 12ENB (Boys' class), 12ENF (Girls' class), 12ENM (Mixed class)

Course Description

This is a more general course for the development of reading and writing skills, with some study of literature and film. Within this course it is possible to choose a boys' only class, a girls' only class, or a mixed gender class. Codes for this are ENB (Boys'), ENF (Girls'), ENM (Mixed). Please specify the preferred course on the selection sheet. Achievement standards up to a total of 21 credits will be offered in each of these classes.

Pre-requisites

Satisfactory grades from Year 11, or by negotiation with Head of Faculty

Achievement Standards

		Number of Credits	
		Ext.	Int.
91098	Analyse specified aspect(s) of studied written text(s), supported by evidence.	4	
OR			
91099	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence.	4	
91100	Analyse significant aspect(s) of unfamiliar written text(s) through close reading, supported by evidence	4	
91101	Produce a selection of crafted and controlled writing.		6
91102	Construct and deliver a crafted and controlled oral presentation.		3
91106	Form developed personal responses to independently read texts, supported by evidence.		4
OR			
91107	Analyse aspects of visual and/or visual text(s) through close viewing and/or listening, supported by evidence.		3
		Total Credits: 20/21	

English A (English Language) 12ENA

Course Description

This course is specifically designed for English Language learners in Year 12, so that they can increase their knowledge of English vocabulary and grammar and gain skills in speaking, listening, reading and writing.

Students in this option, who have not yet attained their Literacy Co-Requisite, will be supported to do so if needed, while also making progress towards University Entrance literacy requirements.

Pre-requisites

Students in this option must be learners for whom English is not their first language. This course is available to English Language learners who have not completed 11ENA.

Achievement and Unit Standards

		Number of Credits	
		Ext.	Int.
91099	Analyse specified aspects of studied visual text, supported by evidence - NCEA English Level 2.	4	
30507	Write a short text under test conditions in English for an academic purpose.		5
30511	Read and process information on a familiar topic in English for academic purpose.		6
30510	Deliver a short oral presentation in English for an academic purpose.		5
		Total Credits: 20	

Mathematics and Statistics

Mathematics is an important part of God's creation. When God saw all He had made the Bible says that He was very pleased. As we learn more about Mathematics, we also learn more about the incredible universe that God made.

Mathematics is the exploration and use of patterns and relationships in quantities, space, and time. Statistics is the exploration and use of patterns and relationships in data. These two disciplines are related but different ways of thinking and of solving problems. Both equip students with effective means for investigating, interpreting, explaining, and making sense of the world in which they live. The skills of Mathematic and Statistics are part of our daily lives, whether in our work, our personal business, or our recreation. Mathematics and Statistics are also important tools for many other subjects; understanding what is taught in Mathematics and Statistics will make many other subjects easier to understand.

Mathematics – Akoranga (12MAT)

Course Description

Students develop new skills in algebra, trigonometry, graphs and statistics and are introduced to calculus. Students who meet the entry criteria should take this course as it is foundational to Level 3 Calculus.

Pre-requisites

Numeracy Co-Requisite *AND* 16 credits including Merits or above in:

- 1.2 Algebra, and one of:
- 1.3 Graphical Methods
- 1.4 Measurement/Geometry
- 1.5 Geometric Reasoning

Specific Costs

A graphics calculator (preferably Casio e.g. fx-9750G plus), is essential for this course.

Achievement Standards

- ~**91256** Apply coordinate geometry methods in solving problems
91259 Apply trigonometric relationships in solving problems.
91261 Apply algebraic methods in solving problems.
91262 Apply calculus methods in solving problems.
91267 Apply probability methods in solving problems.
91269 Apply systems of equations in solving problems.
~ Optional Standard

Number of Credits

Ext.	Int.
	2
	3
4	
5	
4	
	2

Total Credits: 18 - 20

Mathematics – Tumu (12MTU)

Course Description

Students develop and extend their statistics skills, develop new skills in probability, trigonometry and experience new topics as well. There is a pathway to Statistics or Maths and Statistics at Level 3 from this course (but not Calculus).

This course is suitable for students who prefer the option of more internal assessments as there is only one external standard.

Pre-requisites

Numeracy Co-Requisite *AND*

If coming from:

- 11MTX/11MAT, also require 8 credits from Year 11 Maths.
- 11MAC, also require 8 credits, including at least one of:
 - 1.4 Measurement/Geometry
 - 1.6 Multivariate Data

Specific Costs

A graphics calculator (preferably Casio e.g. fx-9750G plus), is essential for this course.

Achievement Standards	Number of Credits	
	Ext.	Int.
~91256 Apply coordinate geometry methods in solving problems.		2
91258 Apply sequences and series in solving problems.		2
91259 Apply trigonometric relationships in solving problems.		3
91260 Apply networks in solving problems.		2
91267 Apply probability methods in solving problems.		
91268 Investigate a problem using simulation.		2
91264 Use statistical methods to make an inference.		
Total Credits:		17 - 19
~ Optional Standard		

Mathematics - Senior Numeracy (12MSN)

Course Description

The Senior Numeracy Course will support students to gain their NCEA Numeracy Corequisite (US32406) as well as, where appropriate, work towards some Level 2 Achievement Standards (listed below). This course is compulsory for Year 12 and 13 students without Numeracy (or equivalent). However, exemptions could be granted in exceptional circumstances. These exemptions would be granted by the Head of Faculty and in conjunction with the appropriate Dean, the Learning Centre and International College (if applicable).

Pre-requisites Students who are yet to gain their NCEA Numeracy Corequisite.

Specific Costs Scientific calculator (fx-82 or similar)

Achievement Standards	Number of Credits	
	Ext.	Int.
91256 Apply coordinate geometry methods in solving problems.		2
91258 Apply sequences and series in solving problems.		2
91260 Apply networks methods in solving problems.		2
91268 Investigate a situation involving elements of chance using a simulation.		2
91576 Use critical path analysis in solving problems		2
Total Credits:		10

Science

In Level 2, there are three Science subjects to select; Biology, Chemistry and Physics. Each of these lead into a Level 3 course of the same subject. Please note that some details of each course may be subject to change should the Head of Faculty consider it to be of educational advantage to students to do so.

Biology (12BIO)

Course Description

The Level 2 course provides a basis for work covered in Level 3 Biology as well as providing a general background for work covered in further studies at University or Polytechnic.

The major topics covered are:

- Ecology
- Cell Biology
- Animal Diversity
- Genetics and Variation in a population

Pre-requisites A passing grade in Science 1.4 (cardiovascular system) and a passing grade in Science 1.3 (MGS Year 11 exam).

Specific Costs A "write-in" workbook \$23.

Achievement Standards	Number of Credits	
	Ext.	Int.
91153 Carry out a practical investigation in a biology context, with supervision		4
91155 Demonstrate understanding of adaptation of plants or animals to their way of life		3
91157 Demonstrate understanding of genetic variation and change.	4	
91159 Demonstrate understanding of gene expression.	4	
91158 Investigate a pattern in an ecological community with supervision (may be optional or omitted).		4
Total Credits:		19

Chemistry (12CHE)

Course Description

In their study of chemistry students will use their developing scientific knowledge, skills and attitudes to:

- Investigate and develop an understanding of the ways materials and chemical processes interact with people and the environment.
- Carry out a range of practical investigations and use this and other information to explore chemical behaviour.
- Understand important concepts in chemistry and major patterns of chemical behaviour:
 - Atomic Structure and Bonding
 - Quantitative Chemistry
 - Physical Chemistry
 - Organic Chemistry
 - Oxidation Reduction
 - Inorganic Substances

Pre-requisites A passing grade in Science 1.1 (Chemistry) and a passing grade in Science 1.3 (MGS Year 11 exam).

Specific Costs A "write-in" workbook \$23.

Achievement Standards	Number of Credits	
	Ext.	Int.
91164 Demonstrate understanding of bonding, structure, properties and energy changes	5	
91165 Demonstrate understanding of the properties of selected organic compounds	4	
91166 Demonstrate understanding of chemical reactivity	4	
91167 Demonstrate understanding of oxidation-reduction		3
91910 Carry out a practical investigation into a substance present in a consumer product using quantitative analysis		4
Total Credits:		20

Physics (12PHY)

Course Description

The Level 2 course covers the basic principles that provide a good foundation for the future development and understanding of this subject.

The topics covered are:

- Electromagnetism
- Atomic and nuclear physics
- Practical investigation
- Mechanics (motion, force, momentum and energy)
- Electricity (static and direct current)
- Wave systems (not formally assessed)

Pre-requisites A passing grade in Science 1.2 (physics) and a passing grade in Science 1.3 (MGS exam), and a minimum of 12 credits in Mathematics.

Specific Costs • A "write-in" workbook \$23
• Field trip \$15

Achievement Standards

- 91169** Demonstrate understanding of physics relevant to a selected context
- 91171** Demonstrate understanding of mechanics
- 91172** Demonstrate understanding of atomic and nuclear physics
- 91173** Demonstrate understanding of electricity and electromagnetism

Number of Credits	
Ext.	Int.
	3
6	
	3
6	
Total Credits: 18	

Social Sciences

Accounting (12ACT)

Course Description

Accounting is the language of business. Accounting skills and knowledge are relevant to everyone.

Accounting is an essential skill for numerous careers, including the fields of business, management, the government sector and voluntary community organisations.

Accounting is a required component of most business and finance courses at tertiary level.

Level 2 Accounting develops the introductory ideas introduced in Level 1 and covers processing, reporting, and interpreting financial information for small to medium sized businesses.

The MYOB online software package is used for learning and assessment of Achievement Standard 91175. Successful completion of Level 2 Accounting is a pre-requisite for Level 3.

Pre-requisites Previous study in Commerce is desirable

Specific Costs Calculator

Achievement Standards

- 91174** Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems
- 91175** Demonstrate understanding of accounting processing using computer software
- 91176** Prepare financial information for an entity that operates accounting subsystems
- 91177** Interpret accounting information for entities that operate accounting subsystems
- 91179** Demonstrate understanding of an accounts receivable subsystem for an entity

Number of Credits	
Ext.	Int.
4	
	4
5	
4	
	3
Total Credits: 20	

Business Studies (12BUS)

Course Description

New Zealand has one of the highest per capita small business start-ups each year. However, it is a sad fact that we also have one of the highest business failure rates; over 80% of new businesses close within two years.

This course will give you skills in running your own business. With a group of 2-3 others you will develop a business plan and run your own small business during the year. This business must benefit the local community. The business activity will run throughout the year and will count for almost half of the course's credits.

You will also develop an understanding of how medium to large sized business work in New Zealand.

You will develop skills in running 'for profit' businesses but will also develop an appreciation of business as a social

Specific Costs

A small amount of capital will be needed to set up your business activity. The amount will depend on the nature of the activity.

	Number of Credits	
	Ext.	Int.
Achievement Standards		
90844 Demonstrate understanding of how a large business responds to external factors	4	
90846 Conduct market research for a new or existing product		3
90847 Investigate the application of motivation theory on a business.		3
90848 Carry out, review and refine a business activity within a community context with guidance		9
Total Credits:		19

Classical Studies (12CLS)

Course Description

Classical Studies is a multidisciplinary subject focusing on the cultures of ancient Greece and Rome. Classical Studies is the study of the people, places, and events of the classical world and how they influence the modern world. Much of our art, science, literature, law, philosophy, politics and religion comes from ancient Greece and Rome. Classical Studies investigates the history, lifestyle, mythology, art, religion and literature of Greece and Rome. Emphasis is placed on a comparison of the Classical and Biblical worldviews. The course will develop a range of skills that are transferable to the outside world, such as the ability to think critically, research, express yourself clearly and concisely, analyse and present an argument.

Year 12 Classical Studies provides an introduction to the Classical World. We study a Greek Epic called The Odyssey and examine ideas and values of the classical world. Significant art and architecture of Ancient Greece is examined. We look at the destruction of Pompeii as a key event in the ancient world. We also study the lasting influence of the classical world on our world today.

Pre-requisites

- Achieved Literacy co-requisite
- Entrance at the discretion of the Teacher in Charge.

	Number of Credits	
	Ext.	Int.
Achievement Standards		
91200 Examine ideas and values of the classical world	4	
91201 Examine the significance of features of work(s) of art in the classical world	4	
91202 Demonstrate understanding of a significant event in the classical world		4
91203 Demonstrate understanding of the relationship between aspects of the classical world and aspects of other cultures.		6
Total Credits:		18

Economics (12ECO)

Course Description

Economics is the "study of choice", how individuals, groups and nations choose how to use their scarce resources to satisfy their unlimited needs.

Year 12 Economics introduces the skills and ideas of Economics in the context of the New Zealand economy. You will appreciate how economic decisions are made and how New Zealand fits into the world-wide economy.

The focus is contemporary New Zealand economic issues, including inflation, growth and unemployment.

Economics is relevant to numerous careers, including the fields of business, accountancy, political science, the government sector, social science and voluntary community organisations.

Pre-requisites

- Students will have ideally passed both Economics standards in 11 Commerce
- Entrance at the discretion of the Curriculum Leader

Achievement Standards

	Number of Credits	
	Ext.	Int.
91222 Analyse inflation using economic concepts and models	4	
91224 Analyse economic growth using economic concepts and models	4	
91225 Analyse unemployment using economic concepts and models		4
91227 Analyse how government policies and contemporary economic issues interact		6
Total Credits:		18

Geography (12GEO)

Course Description

Level 2 Geography builds on the knowledge and skills gained in Year 11 and continues to prepare students for an active role in partnering with God in the work He is doing to restore the world He has redeemed. Therefore, prior study of Geography is advisable, but not strictly required before entering Level 2.

The subject will continue to train you to analyse the world (see it in its parts) and then integrate your understanding (put together the big picture) using Geographic concepts and skills.

It is expected that two field trips of one-day each will take place during the year. Dates have yet to be confirmed.

Pre-requisites

- Must have achieved Literacy co-requisite
- Entrance at the discretion of the Curriculum Leader
- Previous study in geography is desirable

Specific Costs

- Optional field trips estimated \$100 total
- Geography 2.4 skills workbook \$27

Achievement Standards

	Number of Credits	
	Ext.	Int.
91242 Demonstrate geographic understanding of differences in development	4	
91243 Apply geographic skills and concepts	4	
91244 Conduct geographic research with guidance		5
91245 Explain aspects of a contemporary geographic issue		3
91241 Demonstrate geographic understanding of an urban pattern		3
Total Credits:		19

History (12HIS)

Course Description

Level 2 History explores key events, people, and ideas that have shaped the modern world. Students will investigate causes and consequences, compare perspectives, and develop skills in interpreting historical evidence.

Through guided inquiry, students learn to ask critical questions, evaluate sources, and communicate their findings clearly. This course builds confidence in research and analysis, providing a strong foundation for further historical study.

Topics are selected from:

- Antarctic Exploration
- Dawn Raids
- The Russian Revolution (1890-1922)
- Vietnam and Conflict in Indo-China 1945-75
- Invasion of Parihaka 1881

Pre-requisites

- Must have achieved Literacy co-requisite
- Entrance at the discretion of the Curriculum Leader
- Previous study in history is desirable

Achievement Standards

		Number of Credits	
		Ext.	Int.
91229	Carry out an inquiry of an historical event or place that is of significance to New Zealanders.		4
91231	Examine sources of an historical event of significance to New Zealanders	4	
91232	Interpret different perspectives of people in an historical event of significance to New Zealanders		5
91233	Examine causes and consequences of a significant historical event	5	
		Total Credits:	18

Pasifika Studies (12PAS)

Course Description

This class is inclusive and open to all ethnicities and will appeal to students who identify with or who are interested in Pacific history, culture, literature, and contemporary socio-political issues.

Students will be taught Social Studies standards to their academic level. The content of the course will steer towards the students' interests and members of the Pasifika community and other academics will be invited in to share their knowledge on various topics. Students who took Pasifika Studies in Year 11 will not study the same topics in Year 12.

There will be a range of class activities, and some aspects of the course can be decided as a class, including various fundraising or field trip opportunities.

The class is combined with Years 11 and 13 for instruction, but students will complete assessments appropriate to their year level.

		Number of Credits	
		Ext.	Int.
Achievement Standards			
91279	Demonstrate understanding of conflict(s) arising from different cultural beliefs and ideas	4	
OR			
91281	Describe how cultural conflict(s) can be addressed AND	4	
91280	Conduct a reflective social inquiry		5
91282	Describe personal involvement in a social action related to rights and responsibilities		5
91283	Describe a social action that enables communities and/or nations to meet responsibilities and exercise rights		4
		Total Credits:	18

Physical Education and Health

Physical Education (12PED)

Course Description

Students contemplating this course should enjoy the challenges and variety of sport, and physical activity. The course combines practical and reflection aspects and students need to be prepared to work equally diligently in both practical and reflection areas. Assessments have a high practical focus and are in the context of Tapu Ae, Rogaine and Turbo Touch.

Pre-requisites

- Must have studied 11PED with a pass in 1.1 Kotahitanga (Managing Self, Active Engagement, Supporting Others), or by negotiation with Head of Faculty
- It is expected that students play a winter and/or summer sport
- PE uniform is required for practical sessions

Achievement Standards

		Number of Credits
		Int.
91329	Demonstrate understanding of the application of biophysical principles to training for physical activity.	4
91330	Perform a physical activity on an applied setting.	4
91336	Analyse group processes in physical activity.	3
91332	Evaluate leadership strategies that contribute to effective functioning of a group.	4
91333	Analyse the application of risk management strategies to a challenging outdoor activity.	3
Total Credits:		18

Scripture/Christian Studies

Christian Studies (12CHR)

Course Description

Christian Studies in Year 12 is compulsory and continues to build on prior learning in Year 11 and earlier by seeking to increase students' Biblical literacy, and thereby knowing God through His Word. In addition, Level 2 Christian Studies begins to examine broader topics related to the world and Christian thinking. The aim is to equip students for continuing in their faith in their life beyond school. This is done in two ways. Students compare Christianity to other religions and they examine a historical figure who was key in bringing the Gospel to Christchurch at a time that led to the establishment of Middleton Grange School.

Achievement Standards

		Number of Credits	
		Ext.	Int.
90821	Explain the changes in an expression of a religious tradition		6
90823	Explain the key beliefs within two religious traditions in relation to a significant religious question		6
91724	Examine a key theme in a sacred text within a religious tradition		6
Total Credits:		18	

Design and Visual Communication (12DVC)

Course Description

The course is designed to extend skills developed in Year 11. It is delivered through project work consisting of briefs related to either of:

- Product Design
- Spatial Design

All assessments are generated through project work that has been completed during the year and comprises both internal and external assessment.

The course leads naturally through to Level 3 DVC or to tertiary study for those who wish to take it further.

Pre-requisites

Satisfactory grades from Year 11, or by negotiation with Head of Faculty

Achievement Standards <i>A course consisting of at least 14-18 credits will be</i>	Number of Credits	
	Ext.	Int.
91337 Use visual communication techniques to generate design ideas	3	
91338 Produce working drawings to communicate technical details of a design	4	
91339 Produce instrumental perspective projection drawings to communicate own design ideas	3	
91340 Use the characteristics of a design movement or era to inform own ideas		3
91341 Develop a spatial design through graphics practice		6
91342 Develop a product design through graphics practice		6
91343 Use visual communication techniques to compose a presentation of a design		4
Total Credits:		(14-18)

Food and Nutrition (12FNT)

Course Description

In the Level 2 Food and Nutrition course, the focus is on the nutritional needs of individuals and families. Both nutrition knowledge and student research are used to investigate food related issues such as Sports Nutrition, Food Security and Sustainability. Links are made between the health and nutrition choices individuals make, and the external factors which influence our well-being. The course is approximately 75% theory and 25% practical classes and provides an excellent foundation for Level 3 Food and Nutrition, and various tertiary study options in health.

Pre-requisites

- Previous experience in food and nutrition is advantageous but not essential.
- As a large proportion of this course involves internet-based research and report writing, students need to bring their own laptop to class

Course Fee - Important Note

The cost of providing ingredients for the practical component of *Food and Nutrition* is considerable. A fee of **\$180** applies to help cover these expenses. Students are able to take home the food they prepare in class. By selecting *Food and Nutrition*, you are agreeing to be invoiced for this amount at the start of the course.

Achievement Standards	Number of Credits	
	Ext.	Int.
91299 Analyse issues related to the provision of food for people with specific food needs		5
91300 Analyse the relationship between well-being, food choices and determinants of health	4	
91301 Analyse beliefs, attitudes and practises related to a nutritional issue for families in NZ		5
91302 Evaluate sustainable food related practices		5
Total Credits:		19

Workshop Technology (12WTC)

Course Description

This course builds on the work covered in Year 11 and is assessed against BCITO Skills Standards. These standards incorporate a mixture of small-group outdoor builds, and individual construction projects.

The course will be selected from the standards below

Pre-requisites

It is highly recommended that students should have completed Year 11 Workshop Technology

Specific costs

- To support the course, students are encouraged to design and build projects. Student projects that cost over \$50 in materials are to be parent approved before construction and materials will be invoiced to parents
- Material for instructional purposes is supplied.

BCITO Standards	Number of Credits	
	Ext.	Int.
40551 Apply controls to maintain a safe BCATS environment		4
40553 Use power tools for a BCATS project		5
40567 Construct a timber fence as a BCATS project and one of either:		4
40560 Construct timber furniture as a BCATS project		6
OR		
40568 Apply trade skills to complete a BCATS project		6
Total Credits:		19

Digital Technology:

Computer Science and Programming (12DTC)

Course Description

Level 2 Computer Science and Programming builds on the knowledge gained in Year 11 Computer Science. It is designed to provide a solid foundation for careers in computing, especially software engineering, and the study of computing at tertiary level. It provides a foundation for the more advanced course in Year 13.

Pre-requisites

- Students must have access to a computer that is running Windows 11
- Successful completion of Year 11 Computer Science, or some experience with programming in Python is recommended
- Should enjoy solving computational problems. Those whose strengths include Maths and English are most likely to succeed

Achievement Standards	Number of Credits	
	Ext.	Int.
91892 Use advanced techniques to develop a database		4
91896 Use advanced programming techniques to develop a computer program		6
91897 Use advanced processes to develop a digital technologies outcome		6
91898 Demonstrate understanding of a computer science concept	3	
Total Credits:		19

Digital Skills for Employment and Education (12DTS)

Course Description

This Level 2 course is 100% internally assessed and develops practical digital skills for study, employment, and everyday life. Students build confidence using Microsoft Office applications to create word-processed documents, spreadsheets, presentations, and publications. They also develop effective file management skills and learn to use digital tools to communicate information clearly and purposefully, preparing them for further study, employment, and life in a digital world.

Pre-requisites

- Students must have access to a computer running Windows 11
- Basic computing literacy/skills. Some experience with MS Word and Excel is highly recommended.
- Adequate literacy skills to understand workbook instructions.
- An ability to work autonomously and independently.

Achievement and Unit Standards	Number of Credits	
	Ext.	Int.
29769 Use the main features and functions of a word processing application for a purpose		4
29770 Use the main features and functions of a spreadsheet application for a purpose		4
29771 Use the main features and functions of a presentation application for a purpose		3
29773 Manage files and folders using digital devices		3
29774 Use the main features and functions of a desktop publishing application to create documents		4
Total Credits:		18

Digital Technology Media (12DTM)

Course Description

This course develops students' skills in digital media design and development through inquiry, prototyping, and the creation of digital outcomes. Students apply intermediate media techniques and follow iterative design processes to develop digital media solutions for real-world contexts. The course emphasises creativity, user-centred design, and effective communication while preparing students for further study and careers in digital media and design technologies.

Pre-requisites

Nil. However, students who have completed a Digital Technology course in Year 11 will be well prepared for entry into Level 2 Digital Technology Media.

Achievement and Unit Standards	Number of Credits	
	Ext.	Int.
91357 Undertake effective development to make and trial a prototype		6
91890 Conduct an inquiry to propose a digital technologies outcome		6
91893 Use advance techniques to develop a digital media outcome		4
91897 Use advanced processes to develop a digital technologies		6
91899 Present a summary of developing a digital outcome	3	
Total Credits:		25

Spanish (12SPA)

Course Description

Spanish continues to be taught communicatively, building skills in reading, writing, listening, and speaking. Students will reinforce and develop what was learnt in Year 11, which will help to prepare them for internal and external assessments for NCEA Level 2 Spanish. Students will be developing their own language learning strategies. The objectives and content are at level 7 of the Spanish NZ Curriculum Document. At level 7, students begin to engage in sustained interactions and produce extended texts as they explore the views of others and develop and share personal perspectives. The content and language of the communication is targeted to include the expression and justification of their own ideas and opinions, as well as supporting and challenging the ideas and opinions of others. Students can respond to increasingly complex and

Topics include:

- Sports and free time
- Tourism and the environment
- Food and health
- Future plans and jobs

Pre-requisites

Successfully completed Year 11 Spanish (or equivalent). Exemption may be granted by negotiation with the Languages Head of Faculty.

Achievement Standards

		Number of Credits	
		Ext.	Int.
91148	Demonstrate understanding of a variety of spoken texts on familiar matters	5	
91149	Interact using spoken Spanish to share information and justify ideas and opinions in different situations.		5
91150	Give a spoken presentation in Spanish that communicates information, ideas and opinions		4
91151	Demonstrate understanding of a variety of written and/or visual Spanish text(s) on familiar matters..	5	
91152	Write a variety of text types to convey information ideas and opinions in genuine contexts.		5
		Total Credits:	24

Māori (12MAO)

Course Description

This course is internally and externally assessed and continues to build upon the language structures, customs, and vocabulary learned in Year 11.

The actual course will be made up from a selection of the following assessments based on the abilities and interests of the students in the class.

Pre-requisites Successfully completed Year 11 Māori or by negotiation with Teacher in Charge of Māori.

Specific Costs

- Optional day trips
- Optional overnight Marae visit - approximately \$150
- Optional Māori dictionary

Achievement and Unit Standards

		Number of Credits	
		Ext.	Int.
91284	Whakarongo (listening)		4
91286	Pānui (reading)	6	
91981	Perform a Te Ao Haka item to respond to a local kaupapa		6
91983	Respond to a Te Ao Haka performance	4	
		Total Credits:	20

Drama (12DRA)**Course Description**

Level 2 Drama builds on the foundational work begun at in Year 11. The course has a strong performance base but does insist that students submit written evaluations and preparation notes in support of the presentations associated with each of the achievement standards. In addition to developing the personal skills of:

- public speaking
- presentation
- analysis and empathy
- focus

The Level 2 course aims to foster students' knowledge and ability to use drama techniques and processes, and to develop critical appreciation. It includes both students devised and scripted work with a special study of, and performance in, a particular style/ period of drama/theatre.

Students must attend at least one live theatrical performance in the year of the externally assessed AS91219. The specific performance will be determined during the year, studied in depth and will form the basis of one section of the standard.

Pre-requisites

Although success in Year 11 offers an advantage, the enthusiastic student beginning curriculum drama at this level will find the course both interesting and rewarding.

Specific Costs

Opportunity to purchase a group discount ticket for a live theatre production will be made available, in order to complete submission for AS91219.

Achievement Standards - *depending on skills and interests of the class, the course will offer a selection of the standards below:*

	Number of Credits	
	Ext.	Int.
91213 Apply drama techniques in a scripted context		4
91214 Devise and perform a drama to realise an intention		5
91218 Perform a substantial acting role in a scripted production		5
91219 Discuss drama elements, techniques, conventions, and technologies within live performance	4	

Total Credits: 18

Music (12MUS)

Course Description

In Level 2 Music students will be taught the fundamental concepts of performance, composition and music theory. Students will also need to display competence and have experience playing an instrument in order to apply their learning in a practical manner. The course examines musical techniques and processes of the past and present in order to develop students' abilities in composition, performance and production. Communicating these abilities to an audience is a key focus of the course.

Note: Student's chosen pathway will be equivalent to up to 22 of the following credits

Pre-requisites

- Students *MUST* be able to play an instrument (which includes voice) to a reasonable standard (approximately 4 years minimum tuition) and are continuing to receive tuition on the instrument while in the course.
- Basic theory skills (i.e. reading treble clef notation) are assumed.
- Students are expected to participate in a school music group.

Specific Costs \$40 per annum for those who use the school accompanist for solo performances.

Achievement Standards	Number of Credits	
	Ext.	Int.
91270 Perform two substantial pieces of music as a featured soloist		6
91271 Compose two substantial pieces of music		6
91272 Demonstrate ensemble skills by performing a substantial piece of music as a member of a group		4
91273 Devise an instrumentation for an ensemble		4
91274 Perform a substantial piece of music as a featured soloist on a second instrument		3
91275 Demonstrate aural understanding through written representation	4	
91276 Demonstrate knowledge of conventions in a range of music scores	4	
91278 Investigate an aspect of New Zealand music		4
Total Credits: Up to 22		

Art Design (12ARD)

Course Description

In this course, students will take charge of their own creative projects. They'll come up with a design brief based on a topic that interests them and create promotional materials that reflect their ideas. The teacher will guide and support students as they plan and develop their work.

This year builds on the skills learned in Year 11, shifting the focus from experimenting with different media to exploring a personally chosen theme. Students will develop a strong, connected body of work that shows their creative thinking and design skills.

The process of making art will be assessed internally, while the final artworks will be submitted as a folio (two boards) and assessed externally. The folio showcases the student's ability to apply design techniques, methods, and processes learned throughout the course.

Pre-requisites

- Limited places are available in this course - preference will be given to students who have passed Year 11 Art
- Computer knowledge and experience with software like Adobe Illustrator and Photoshop is beneficial
- Laptop capable of supporting Adobe Photoshop and Illustrator

Specific Costs

- Printing \$10 per A1 sheet (2 required)
- Folio board and consumable charge \$20
- Art pack specified in stationery list - approx \$40

	Number of Credits	
	Ext.	Int.
Achievement Standards		
91310 Use drawing methods to apply knowledge of conventions appropriate to design		4
91315 Develop ideas in a related series of drawings appropriate to established design practice.		4
91320 Produce a systematic body of work that shows understanding of art making	12	
Total Credits:		20

Art Painting (12ARP)

Course Description

Art painting is a powerful way to explore ideas and communicate what matters to you. In this course, students develop a personal theme and create a two-panel A1 folio that reflects their interests, experiences, and creative voice. Through research, experimentation, and skill development, students explore a range of art-making techniques and processes.

Students also investigate biblical metaphors and themes, interpreting them visually to create meaningful and thought-provoking artworks. Throughout the year, they refine their ideas, develop technical skills, and build a folio that showcases their growth.

This course is ideal for students who enjoy creative thinking, personal expression, and exploring ideas in deeper and more imaginative ways.

Pre-requisites

Limited places are available in this course. Preference will be given to students who have studied Year 11 Art.

Specific Costs

- Folio board and specialty paper charge \$20
- Art pack specified in stationery list, approximately \$90

	Number of Credits	
	Ext.	Int.
Achievement Standards		
91311 Use drawing methods to apply knowledge of conventions appropriate to painting		4
91316 Develop ideas in a related series of drawings appropriate to established painting practice.		4
91321 Produce a systematic body of work that shows understanding of art making conventions and ideas within painting.	12	
Total Credits:		20

Art Photography (12APH)

Course Description

Photography is about more than taking great pictures. It's about communicating ideas, telling stories, and capturing the world from a unique perspective. In this course, students develop a personal theme and create a two-panel A1 portfolio that reflects their interests, experiences, and creative voice.

Students learn and apply a range of photographic techniques, including pinhole photography, photograms, manual DSLR camera settings, lighting, and Adobe Photoshop editing. They also research photographers and artists, using visual conventions to strengthen their own work.

A unique aspect of the course is the exploration of biblical metaphors and themes, encouraging students to create images that communicate deeper meaning and personal reflection.

This course is ideal for students who enjoy working independently, thinking creatively, and developing their photography skills through a sustained creative project.

Pre-requisites

- Limited places are available in this course. Preference will be given to students who have studied Year 11 Art.
- DSLR Camera
- Laptop capable of supporting Adobe Photoshop
- Willingness to commit to photo shoots outside of class time

Specific Costs

- Printing \$10 per A1 sheet (2 required)
- Folio board and consumable charge \$20
- Art pack specified in stationery list, approximately \$40

Achievement Standards

	Number of Credits	
	Ext.	Int.
91312 Use drawing methods to apply knowledge of conventions appropriate to photography		4
91317 Develop ideas in a related series of drawings appropriate to established photography practice		4
91922 Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	12	
Total Credits:		20

Alternative Pathways to Qualifications

STAR (Secondary Tertiary Alignment Resource)

The STAR provides learning experiences that link to students' needs and transitions them into tertiary study. Courses may be within the school (such as Barista, First Aid, or online like some first year University courses.)

Visit the Tertiary and Vocational Coordinator for any requests.

STAR aims are to:

- Help students' direct entry into the work force
- Provide students with courses that both meet their needs and help their transition into further education or employment
- Help students make informed decisions about their future schooling and future work

Te Kura Correspondence School (12COR)

Subjects which are not offered at Middleton are sometimes offered through the correspondence school. Students are allowed to do these subjects at the discretion of their parents, their Dean and the Te Kura Co-ordinator, Mrs Wilson. They would do the subject in their own time or during study periods.

Tourism and Hospitality (12TAH)

Course Description

The class is open to Year 12 students who are interested in a career pathway in tourism and/or hospitality. Students will also learn job interview and employability skills and how to write a CV. Guest speakers from the industry and liaisons from relevant tertiary programs will be invited to speak to the class. Students will complete two weeks of work experience outside school hours. Recommended to study alongside Food Technology, Geography, Business.

As this is a Gateway funded course, there is a 20 credit requirement for Tertiary Education Commission reporting purposes. These 20 credits must be obtained from the standards below to meet this requirement.

Pre-requisites

Entry into this course requires a completed Gateway Application Form the year before, and an appointment with the Gateway Staff.

Unit Standards	Number of Credits	
	Int.	
10780 Complete a work experience placement -Level 2	3	
17284 Demonstrate knowledge of coffee origin and production	4	
17285 Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision -Level 2	4	
24728 Demonstrate knowledge of work roles in tourism -Level 2	3	
24729 Demonstrate knowledge of world tourist destinations. -Level 2	4	
24731 Demonstrate knowledge of destination New Zealand. -Level 2	4	
31070 Explain the importance of Māori Place Names and use Reo Māori greetings and Farewells in Tourism. -Level 3	4	
Total Credits:		26

Introduction to Education and Teaching (12IET)

Course Description

This course is designed to prepare students who are interested in a career working with children. The career possibilities include Early Childhood Education and Primary Teaching, Social Work, Nursing etc. The course sets the foundation for understanding children's development and learning in the wider context of community, culture and ethics.

The course involves work experience in an Early Childhood Centre for two days per term for three terms, and in the Primary School during timetabled periods.

There is a practical component including Sign Language, Music, Te Reo Māori, Art and resource making.

Personal development and growth is an important aspect of the course with various tools used to foster this including the Strengths Finders team coaching.

In consultation with the students, and based on their interests and academic needs, the course will be finalised in February 2027.

As this is a Gateway funded course, there is a 20 credit requirement for Tertiary Education Commission reporting purposes.

These 20 credits must be obtained from the standards below to meet this requirement:

Unit Standards	Number of Credits	
	Int.	
10026 Demonstrate knowledge of mokopuna/children's holistic development and learning in an Early Childhood Setting	5	
10780 Complete a work experience placement	3	
30265 Apply health and safety risk assessment to a job role	8	
26707 Describe the value of play and create resources for children's development and learning in an IET service	4	
26708 Develop respectful, responsive and reciprocal relationships with children in an IET service	4	
Total Credits:		24

Year 13

English

There are three courses in Year 13. Contact the Head of Faculty, Mr. Aitken, or the Assistant Head, Mrs. Fiona McDonald, for further information about courses at this level.

The Teacher in Charge of ESOL is very happy to give guidance to any students who have another first language.

Cinematic English (13ECS)

Course Description

This course aims to develop skills in reading, writing, viewing, and presenting, with an emphasis on cinema. Students must respond critically to a wide range of filmic texts. Students should also be aware of the UE literacy credits available through this course.

Pre-requisites

- At least 14 credits at Level 2, of which 6 credits must have been achieved in AS91101, and success in at least one of the two Level 2 English external standards, or by negotiation with the Head of Faculty
- Students must have completed every assessment in Year 12 to be eligible for this course

Achievement Standards *depending on skills and interests of the class, the course will offer a selection of the standards below:*

		Number of Credits	
		Ext.	Int.
91473	Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	4	
91475	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas		6
91476	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas		3
91479	Develop an informed understanding of literature and/or language using critical texts		4
91480	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence		3
		Total Credits: 20	

English Literature (13ENL)

Course Description

This Level 3 course will involve study of a range of literature selected from the best works in the English canon. Students must respond critically to a wide range of written texts.

Pre-requisites

At least 14 credits at Level 2, of which 6 credits must have been achieved in AS91101, and success in at least one of the two Level 2 English external standards, or by negotiation with the Head of Faculty.

Achievement Standards *depending on skills and interests of the class, the course will offer a selection of the standards below:*

		Number of Credits	
		Ext.	Int.
91472	Respond critically to specified aspect(s) of studied written text(s), supported by evidence	4	
91474	Respond critically to significant aspects of unfamiliar written texts through close reading supported by evidence	4	
91475	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas		6
91476	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas		3
91479	Develop an informed understanding of literature and/or language using critical texts		4
		Total Credits: 21	

Media Studies (13MDS)

Course Description

Media Studies develops students' ability to critically analyse, evaluate, and create media texts. Through the study of film, television, social media, advertising, and other forms of media, students gain an understanding of how media shapes attitudes, values, and beliefs.

Students develop a range of transferable skills, including critical thinking, research, planning, enquiry, evaluation, creativity, communication, and time management. Practical production work provides experience with media technologies and content creation, while analytical and written assessments strengthen students' ability to construct and communicate informed arguments. These skills are highly valued across a wide range of career pathways, including journalism, public relations, marketing, film and television production, digital media, communications, publishing, and creative industries.

Note: This course will run subject to student numbers opting in.

Pre-requisites

At least 14 credits in Level 2 English with some English external exam success.

Achievement Standards

		Number of Credits	
		Ext.	Int.
91493	Demonstrate understanding of a relationship between a media genre and society	4	
91494	Produce a design for a media product that meets the requirements of a brief		4
91495	Produce a media product to meet the requirements of a brief		6
91497	Write a media text to meet the requirements of a brief		3
Total Credits		17	

English A (English Language) 13ENA

Course Description

This course is specifically designed for English Language learners in Year 13. It is constructed to support them to complete standards that give them the necessary University Entrance literacy credits. It also develops important skills for academic study at tertiary level.

Pre-requisites

The class is designed for learners of the English language, for whom this is not their first language. However, it is possible to include other students who need to achieve Literacy credits. It is preferable for students to have completed 12ENA, but the course is also available to learners who have not done this.

Achievement Standards and Unit Standards

		Number of Credits	
		Ext.	Int.
91098	Analyse specified aspects of studied written texts, supported by evidence - English Level 2	4	
22751	Read and process information in English for academic purpose		6
22749	Write a short text under test conditions in English for an academic purpose		5
22891	Deliver an oral presentation in English for an academic purpose		5
Total Credits:		20	

Calculus (13MCX)

Course Description

This course is appropriate for students with an interest in the continued study of Mathematics, the Physical Sciences, Economics, Computer Science, Management Science, Engineering, etc. Students study algebra, calculus, trigonometry and geometry.

Pre-requisites

At least 14 credits from NCEA Level 2 Mathematics Akoranga course, including at least an Achieved grade in each of 91261 (Algebra), 91262 (Calculus) and 91269 (Simultaneous Equations), and at least Merit in one of these three.

Specific Costs

A graphics calculator (preferably Casio e.g. fx-9750G plus), is essential for this course.

Achievement Standards will be a selection of:

- 91575** Apply trigonometric methods in solving problems.
- 91577** Apply the algebra of complex numbers in solving problems.
- 91578** Apply differentiation methods in solving problems.
- 91579** Apply integration methods in solving problems.
- ~***91587** Apply systems of simultaneous equations in solving problems.

* Also part of Mathematics & Statistics Course

~ Optional Standard

Number of Credits

Ext. Int.

4

5

6

6

3

Total Credits: 24

Scholarship students will also do **91573** Apply the geometry of conic sections in solving problems. **(3 credits)**

Statistics (13MST)

Course Description

This course is for students with an interest in Statistics who may want to study in fields such as biological and social sciences, medicine, engineering, actuarial work, management science, commerce and marketing. It involves analysing data and making predictions, using data to draw conclusions and applying probability theory to different contexts.

Pre-requisites

At least 11 credits from NCEA Level 2 Maths Akoranga course including Achieved in 91267 (Probability) or 14 credits from the Level 2 Tumu course, including at least an Achieved grade in 91264 (Statistical Inference) and 91267 (Probability). Students must also demonstrate sufficient English language skills. This would typically be done through achieving UE Literacy.

Specific Costs

A graphics calculator (preferably Casio e.g. fx-9750G plus), is essential for this course.

Achievement Standards

- ***91580** Investigate time series data.
- 91581** Investigate bivariate measurement data.
- 91582** Use statistical methods to make a formal inference.
- 91585** Apply probability concepts in solving problems.
- ***91586** Apply probability distributions in solving problems.

* Also part of Mathematics & Statistics Course

Number of Credits

Ext. Int.

4

4

4

4

4

Total Credits: 20

Scholarship students may choose to enter the external **AS91584** Evaluate statistically based reports. **(4 credits)**

Mathematics and Statistics (13MAS)

Course Description

This course includes a combination of some of the Level 3 Mathematics and the Level 3 Statistics standards. It is designed for students who want to take a Level 3 Maths & Statistics course but do not think that either Calculus or Statistics would be suitable. This course is a UE approved subject.

Pre-requisites

At least 11 credits from NCEA Level 2 Maths Akoranga course or 13 credits from the Level 2 Tumu course.

Specific Costs

A graphics calculator (preferably Casio e.g. fx-9750G plus), is essential for this course.

Achievement Standards

- 91574** Apply linear programming methods to solve problems.
91576 Use critical path analysis in solving problems.
***91580** Investigate time series data.
91583 Conduct an experiment using experiment design principles.
^91587 Apply systems of simultaneous equations in solving problems.
***91586** Apply probability distributions in solving problems.

* Also part of Statistics Course

^ Also part of Calculus Course

Number of Credits

Ext. Int.

3

2

4

4

3

4

Total Credits: 17-20

Senior Numeracy (12MSN)

Course Description

The Senior Numeracy Course will support students to gain their NCEA Numeracy Corequisite (US32406) as well as, where appropriate, work towards some Level 2 Achievement Standards (listed below). This course is compulsory for Year 12 and 13 students without Numeracy (or equivalent). However, exemptions could be granted in exceptional circumstances. These exemptions would be granted by the Head of Faculty and in conjunction with the appropriate Dean, the Learning Centre and International College (if applicable).

Pre-requisites Students who are yet to gain their NCEA Numeracy Corequisite.

Specific Costs Scientific calculator (fx-82 or similar)

Achievement Standards

- 91256** Apply coordinate geometry methods in solving problems
91258 Apply sequences and series in solving problems
91260 Apply networks methods in solving problems
91268 Investigate a situation involving elements of chance using a simulation
91576 Use critical path analysis in solving problems

Number of Credits

Ext. Int.

2

2

2

2

2

Total Credits: 10

Please note that some details of these courses may be subject to change should the Head of Faculty consider it to be of educational advantage to students to do so.

Biology (13BIO)

Course Description

This course consists of the following units of work:

- Plant Practical Studies – Biological Investigation
- Animal behaviour and plant responses
- Contemporary techniques in biotechnology

Pre-requisites

Minimum of 12 credits in Level 2 Biology with passes in the two external standards:

AS91157 (Genetic variation)

AS91159 (Gene expression)

Specific Costs

A "write-in" workbook \$23 (SciPAD)

Number of Credits

	Ext.	Int.
91602 Integrate biological knowledge to develop an informed response to a socio-scientific issue		3
91603 Demonstrate understanding of the response of plants or animals to their external environment	5	
91604 Demonstrate understanding how an animal maintains a stable internal environment		3
91606 Demonstrate understanding of trends in human evolution	4	
91601 Carry out a practical investigation in a biological context, with guidance		4
Total Credits:		19

Chemistry (13CHE)

Course Description

In their study of chemistry students will extend their scientific knowledge, skills and attitudes through:

- Practical investigations
- Familiarisations with materials and how they function
- Understanding of concepts underlying chemical behaviour

Areas of study will involve:

- Aqueous Chemistry
- Thermochemistry
- Organic Chemistry
- Oxidation and Reduction processes and analysis
- Atomic structure and bonding

Pre-requisites

Minimum of 14 credits in Level 2 Chemistry.

Specific Costs

A "write-in" workbook \$23.

Number of Credits

	Ext.	Int.
91388 Demonstrate understanding of spectroscopic data in chemistry		3
91390 Demonstrate understanding of thermochemical principles and the properties of particles and substances	5	
91392 Demonstrate understanding of equilibrium principles in aqueous systems	5	
91393 Demonstrate understanding of oxidation-reduction processes		3
91391 Demonstrate understanding of the properties of organic compounds (<i>may be optional or omitted</i>)	5	
Total Credits:		16 - 21

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Physics (13PHY)

Course Description

The Level 3 course gives a good grounding for subjects such as Physics, Medical Sciences and the various Engineering disciplines at university. It is also a useful basis for many technical careers.

The topics covered are:

- Wave systems
- Translational Motion
- Rotational Motion
- Simple Harmonic Motion
- Electromagnetism
- Electricity DC and AC
- Atomic Physics

Pre-requisites

Minimum of 14 credits in Level 2 Physics

Specific Costs

- A "write-in" workbook \$23
- Field trip \$15

Achievement Standards *will be a selection of:*

	Number of Credits	
	Ext.	Int.
91522 Demonstrate understanding of the application of physics to a selected context		3
91524 Demonstrate understanding of mechanical systems	6	
91525 Demonstrate understanding of Modern Physics		3
91526 Demonstrate understanding of electrical systems	6	

Total Credits: 18

Scholarship students may choose to enter the external **AS91523**
Demonstrate understanding of wave systems. (4 credits)

Social Sciences

Accounting (13ACT)

Course Description

Level 3 Accounting gives you financial skills in the context of different types of businesses, including companies and manufacturers.

Accounting is an essential skill for numerous careers, including the fields of business, management, the government sector and voluntary community organisations. Accounting is a required component of most business and finance courses at tertiary level.

While Year 13 Accounting prepares you for the study of commerce, accounting, and management of finance at university, it is equally suitable as background knowledge that will almost certainly benefit you, whatever career path you choose. Opportunity is given for students to sit the Scholarship Accounting exam.

Pre-requisites Minimum 12 credits from Level 2 Accounting or by approval of Head of Faculty.

Specific Costs Calculator

Achievement Standards

	Number of Credits	
	Ext.	Int.
91404 Demonstrate understanding of accounting concepts for a New Zealand reporting entity.	4	
91405 Demonstrate understanding of accounting for partnerships		4
90406 Demonstrate understanding of company financial statement preparation	5	
91408 Demonstrate understanding of management accounting to inform decision making	4	
91409 Demonstrate understanding of a job cost subsystem for an entity		4
Total Credits:	21	

Business Studies (13BUS)

Course Description

In this course you will set up and run a real business enterprise with 2-3 other students during the school year. You will also have the opportunity to enter the National Young Enterprise Competition (YES) through which your small business will compete with other student enterprises on business challenges throughout the

Specific Costs

- A small amount of seed funding will be needed to start your business activity. The amount will depend on your chosen venture. Hopefully you will be able to recoup this over the course of the year.
- Young Enterprise entry fee approx \$55.00

Assessment Information

Completing the YES challenges will earn you an NCEA Micro-credential, OR
You could choose to be assessed for the following standards:

Achievement Standards	Number of Credits	
	Ext.	Int.
91379 Demonstrate understanding of how internal factors interact within a business that operates in a global context.	4	
91382 Develop a marketing plan for a new or existing product		6
91384 Carry out, with consultation, an innovative and sustainable business activity.		9
Total Credits:		19

Classical Studies (13CLS)

Course Description

Classical Studies is a multidisciplinary subject focusing on the cultures of ancient Greece and Rome. Classical Studies is the study of the people, places, and events of the classical world and how they influence the modern world. Much of our art, science, literature, law, philosophy, politics and religion comes from ancient Greece and Rome. Classical Studies investigates the history, lifestyle, mythology, art, religion and literature of Greece and Rome. Emphasis is placed on a comparison of the Classical and Biblical worldviews. The course will develop a range of skills that are transferable to the outside world, such as the ability to think critically, research, express yourself clearly and concisely, analyse and present an argument.

In Year 13 Classical Studies we examine influences exhibited in Roman Art and Architecture and its impact on later cultures. We also look at the life of a fascinating historical figure; Alexander the Great and his ideological beliefs.

Pre-requisites

- At least 12 credits in reading and writing achievement standards in Level 2 English
- Previous study in Classics is strongly recommended. The Head of Faculty must be consulted before entry at this

Achievement Standards	Number of Credits	
	Ext.	Int.
91395 Analyse the significance of a work(s) of art in the classical world.	4	
91396 Analyse the impact of a significant historical figure on the classical world	6	
91397 Demonstrate understanding of a significant ideology(ies) in the classical world.		6
91398 Demonstrate understanding of the lasting influences of the classical world on other cultures across time.		6
Total Credits:		22

Economics (13ECO)

Course Description

Level 3 Economics takes:

- A wide-ranging look at the effects of government policy on the NZ markets.
- An in-depth look into markets and businesses, understanding what lies behind the market curves used at earlier levels.

Year 13 Economics is recommended if you are considering further study of law, commerce, political science or social science. It is equally relevant as a personal insight into how countries' economies and markets work.

Opportunity is given for selected students to sit the Scholarship Economics exam.

Pre-requisites Minimum 12 credits in Level 2 Economics, or by approval from the Curriculum Leader.

Specific Costs Calculator

Achievement Standards	Number of Credits	
	Ext.	Int.
91399 Demonstrate understanding of the efficiency of market equilibrium	4	
91401 Demonstrate understanding of micro-economic concepts		5
91402 Demonstrate understanding of government interventions to correct market failures		5
91403 Demonstrate understanding of macro-economic influences on the NZ economy	6	
Total Credits:		20

Geography (13GEO)

Course Description

Level 3 Geography is a demanding subject. It has to be, in order to prepare students adequately to meet the complex challenges facing our world and its people. A high value is placed on literacy skills, and students are expected to conduct some level of independent inquiry in all topics.

Skills and knowledge are applied more rigorously within fewer contexts as we prepare students to go out into the world God made and be effective agents of change in the creation He loves. We maintain a global perspective through an investigation of a global pattern, however, many of the topics have a contemporary New Zealand setting.

Level 3 Geography also offers the possibility of attempting the Scholarship Standard, details of which will be given once the year is under way.

Pre-requisites

Students must have studied and passed one of History or Classical Studies at Level 2, or Geography at either Level 1 or 2 before entering for Level 3 Geography.

Specific Costs Geography 3.4 skills workbook approx \$27

Achievement Standards	Number of Credits	
	Ext.	Int.
91426 Demonstrate understanding of how interacting natural processes shape a NZ environment	4	
91429 Select and apply geographic skills and concepts	4	
91431 Analyse aspects of a contemporary geographic issue		3
91432 Analyse aspects of a geographic topic at a global scale		3
and one of either:		
91428 Analyse a significant contemporary event from a geographic perspective OR		3
91430 Conduct geographic research with consultation		5
Total Credits:		17/19

History (13HIS)

Course Description

Level 3 History challenges students to investigate significant historical events, people, and movements, and to evaluate their causes and consequences. Students will develop advanced skills in research, critical thinking, and source analysis while exploring how history is interpreted and remembered. This course encourages independent inquiry and the ability to form well-supported arguments, preparing students for further study and informed citizenship. Topics are selected from:

- The First Crusade 1095 – 1120
- Mary Queen of Scots
- Early contact NZ

Pre-requisites

- Students must have passed one of Geography or Classical Studies at Level 2, or History at either Level 1 or 2 before entering for Level 3 History.
- Entrance at the discretion of the Curriculum Leader

Specific Costs Waitangi Trip – Optional but recommended: Approximately \$720.00.

Achievement Standards	Number of Credits	
	Ext.	Int.
91434 Research an historical event or place of significance to New Zealanders.		5
91436 Analyse evidence relating to an historical event of significance to New Zealanders.	4	
91437 Analyse different perspectives of a contested event.		5
91438 Analyse the causes and consequences of a significant historical event	6	
Total Credits:		20

Pasifika Studies (13PAS)

Course Description

This class is inclusive and open to all ethnicities and will appeal to students who identify with or who are interested in Pacific history, culture, literature, and contemporary socio-political issues.

Students will be taught Social Studies standards to their academic level. The content of the course will steer towards the students' interests and members of the Pasifika community and other academics will be invited in to share their knowledge on various topics. Students who took Pasifika Studies in Year 12 will not study the same topics in Year 13.

There will be a range of class activities, and some aspects of the course can be decided as a class, including various fundraising or field trip opportunities.

The class is combined with Year 11 and 12 for instruction, but students will complete assessments appropriate to their year level.

Achievement Standards	Number of Credits	
	Ext.	Int.
91596 Demonstrate understanding of ideological responses to an issue.	4	
OR		
91598 Demonstrate understanding of how ideologies shape society	4	
AND		
91597 Conduct a critical social inquiry		6
91599 Examine personal involvement in a social action(s) that aims to influence policy change(s)		6
91600 Examine a campaign of social action(s) to influence policy change(s)		4
Total Credits:		20

Physical Education and Health

Physical Education (13PED)

Course Description

Building on prior learning from Years 11 and 12, students will be extended in their critical thinking and analysis of skills within sport science and sport and society. The course also requires high levels of self-management and organisation.

Students will reflect on and play pastime games to consider future factors that might influence future participation in physical activity. Students will participate in a Tennis unit that allows students to experience a training programme and assess its effectiveness. Other practicals include Futsal and an outdoor based activity – Mountain Biking the McLeans Island Tresillian loop track.

Students will also be given opportunity to examine contemporary leadership styles and experience them in a practical setting. This could be coaching school teams or outside of school teams or training year 7/8 teams for winter sport competition.

By the end of this year, their three years of Senior PE will give them a well-balanced yet comprehensive understanding of the curriculum. They will also have developed life skills that will stand them in good stead wherever they head on their next stage of life. All units are internally assessed.

Scholarship is offered to those who would like to extend themselves.

Pre-requisites

- Students are expected to have achieved 12 credits at Level 2 in P.E, or by negotiation with Head of Faculty, especially if new to MGS.
- It is expected that students play a winter and/or summer sport

Achievement Standards *there are other standards that could be offered, but will be structured around the following standards:*

		Number of Credits	
		Ext.	Int.
91498	Evaluate physical activity experiences to devise strategies for lifelong well-being.		4
91500	Evaluate the effectiveness of a performance improvement programme.		4
91501	Demonstrate quality performance of a physical activity in an applied setting.		4
91502	Examine a current physical activity event or trend or issue, impacting on New Zealand society.		4
91503	Examine contemporary leadership principles applied in a physical activity contest.		4
		Total Credits:	20

Christian Focus Days

Course Description

These are **compulsory** days which provide opportunities for Year 13 students to explore a range of relevant issues within a biblical context.

They are run in terms 1-3; one Focus Day per term.

Potential Costs

\$25 per Focus Day to cover food

OR

bring own lunch and no charge for food.

Christian Studies (13CHR)

Course Description

The Year 13 course is an option subject taught across the year (4 periods per week). It is intended to build a strong biblical foundation which strengthens personal faith and also equips students to engage confidently with issues that will be faced beyond school.

The course will appeal to those who are seeking to grow in their faith as well as those wanting to acquire credits towards NCEA Level 3. Year 12 students should indicate early if they are interested in doing this subject (numbers have been high in recent years).

Pre-requisites

Nil, but success in Level 2 Christian Studies and Level 2 English is recommended.
Assessments are extended essays.

Achievement Standards

- | | | Ext. | Int. |
|--------------|--|-------------|-------------|
| 90826 | Analyse the response of a religious tradition to a contemporary ethical issue | | 6 |
| 90827 | Analyse the key beliefs of a religious tradition and a secular world view in relation to an ultimate question(s) | | 6 |
| 91725 | Analyse the meanings in a sacred text within a religious tradition | | 6 |

Total Credits: 18

Learning Languages

Māori (13MAO)

Course Description

In 2026 this course will be offered to study by correspondence.

Spanish (13SPA)

Course Description

Spanish continues to be taught communicatively, building skills in reading, writing, listening, and speaking. Students will use Spanish in familiar, less familiar, and formal contexts, advancing their knowledge of Spanish vocabulary, grammar, and structures, and understanding more of Hispanic life and culture. The combined Year 13 course covers Level 8 of the NZ Spanish Curriculum and revisits structures from Levels 1 to 7. By the end of the year, students will acquire personal independence in Spanish and be able to:

- Talk about the consequences of actions (if...then...)
- Give and seek advice
- Direct others to do/not do something
- Make and respond to requests for something to be done
- Talk about predictions or theories and argue for or against them
- Talk about advantages and disadvantages, giving reasons
- Talk about the possibility, doubt and uncertainty of actions and events

Topics may include some or all of these topics:

- Education
- Spanish Films
- Spain
- The environment
- Equality and racism
- The Spanish speaking world

Pre-requisites Successfully completed NCEA Level 2 Spanish (or equivalent).

Achievement Standards

		Number of Credits	
		Ext.	Int.
91568	Demonstrate understanding of a variety of extended spoken Spanish texts.	5	
91569	Give a clear spoken presentation in Spanish that communicates a critical response to stimulus material.		3
91570	Interact clearly using spoken Spanish to explore and justify varied ideas and perspectives in different situations.		6
91571	Demonstrate understanding of a variety of extended written and/or visual Spanish texts.	5	
91572	Write a variety of text types in clear Spanish to explore and justify varied ideas and perspectives.		5
		Total Credits:	24

Drama

Drama (13DRA)

Course Description

This course provides an opportunity for those with aptitude and interest in Drama to explore and develop their skills; be mentored and inspired; and work with those with similar interests.

Performance is an integral part of this course, and participation in school performance opportunities is expected of all Drama students.

Course work will focus on aspects of the three broad areas of:

- personal skills development
- performance and stage craft
- dramatic theory and theatre history

Pre-requisites

Although success at Level 2 offers an advantage, the motivated student, with some ability and performance experience, beginning curriculum drama at this level will find the course both challenging and rewarding.

Specific Costs

Opportunity to purchase a group discount ticket for a live theatre production will be made available, in order to complete submission for AS91518.

Achievement Standards - depending on skills and interests of the class, the course will offer a selection of the standards below:

		Number of Credits	
		Ext.	Int.
91512	Interpret scripted text to integrate drama techniques in performance.		4
91514	Interpret a prescribed text to demonstrate knowledge of a theatre form or period.	4	
91517	Perform a substantial acting role in a significant production.		5
91518	Demonstrate understanding of a live drama performance.	4	
and one of either:			
91513	Devise and perform a drama to realise a concept	5	5
91519	Script a drama suitable for live performance.		
		Total Credits:	22

Music (13MUS)**Course Description**

This course provides an opportunity for those with aptitude and interest in Music to explore and develop their skills, be mentored and inspired, and work with those with similar interests.

Performance is an integral part of the course, and participation in school performance opportunities is required of all music students.

Course work will focus on aspects of the four broad areas of:

- Music creation and composition
- Performance and stage craft
- Music theory and history
- Music listening and aural skills

Pre-requisites

- 16 credits at Level 2 or similar. Any students new to Music will need to audition or provide exam evidence of 4 or more years of experience and instrument learning. NB Voice is an instrument.
- Year 13 Music students are expected and encouraged to assist in leading school music groups as is appropriate to their instrument.

Specific Costs \$40 per annum for those who use the school accompanist for solo performances.

Achievement Standards and Unit Standards**Number of Credits**

Note: *Students will not complete all standards.*

	Ext.	Int.
91416 Perform two programmes of music as a featured soloist.		8
91417 Perform a programme of music as a featured soloist on a second instrument.		4
91418 Demonstrate ensemble skills by performing two substantial pieces as a member of a group.		4
91419 Communicate musical intention by composing three original pieces of music.		8
91420 Integrate aural skills into written representation.	4	
91421 Demonstrate understanding of harmonic and tonal conventions in a range of music scores.	4	
91424 Create two arrangements for an ensemble.		4

Total Credits: Up to 24

Design and Visual Communication (13DVC)

Course Description

The course is designed to extend skills developed at Level 2 and leads naturally through to tertiary study for those who wish to take it further. It is delivered through project work consisting of a brief related to either of:

- Product Design
- Spatial Design

All assessments are generated through project work that has been completed during the year and comprises both internal and external assessment.

Pre-requisites

Successful completion of Level 2 DVC course as the work at Level 3 builds on the knowledge and skills acquired through Level 2.

Achievement Standards - *At least 14-22 credits will be comprised from a selection of the standards below:*

		Number of Credits	
		Ext.	Int.
91627	Initiate design ideas through exploration.	4	
91628	Develop a visual presentation that exhibits a design outcome to an audience.		6
91629	Resolve a spatial design through graphics practise.		6
91630	Resolve a product design through graphics practise.		6
91631	Produce working drawings to communicate production details for a complex design.	6	
		Total Credits:	14-22

Food and Nutrition (13FNT)

Course Description

In the Level 3 Food and Nutrition course, the focus is on the nutrition, health and well-being needs of New Zealand Society. Students research the complex food related issue of the under-consumption of fruit and vegetables. Students also examine food related ethical issues such as fortification and the marketing of energy dense, nutrient poor food directed at children. The external standards involve analysing and challenging the messages in food advertisements and evaluating conflicting information on topics such as ultra-processed foods, supplementation, and popular dietary advice.

Pre-requisites

- It is required that students have successfully completed a Level 2 FNT course as work at level 3 builds on the knowledge and skills acquired in Level 2.
- As a large proportion of this course involves internet-based research and report writing, students need to bring their own laptop to class

Course Fee - Important note

The cost of providing ingredients for the practical component of *Food and Nutrition* is considerable. A fee of **\$180** applies to help cover these expenses. Students are able to take home the food they prepare in class. By selecting *Food and Nutrition*, you are agreeing to be invoiced for this amount at the start of the course.

		Number of Credits	
Achievement Standards		Ext.	Int.
91466	Investigate a nutritional issue affecting the well-being of New Zealand society		5
91468	Analyse a food related ethical dilemma for New Zealand society		5
91470	Evaluate conflicting nutritional information relevant to well-being in New Zealand society	4	
91471	Analyse the influences of food advertising on well-being	4	
		Total Credits:	18

Workshop Technology (13WTC)

Course Description

This course builds on the work covered in Years 11 and 12 and is assessed against BCITO Skills Standards. Students are expected to design and manage a construction project that is of a Level Three complexity. Health & Safety is a necessary element of this project and will also be assessed through an external course if the student has not achieved the standard previously.

Pre-requisites

It is necessary that students have completed a Year 12 workshop programme. Students who are new to Workshop Technology in Year 13 will be working towards Level 1 and 2 standards, based on their experience and ability.

Specific Costs

- Due to the wide range of projects chosen by students, the cost of construction materials can vary greatly. Typically, combined materials for a project of suitable complexity begin around \$100
- Material for instructional purposes is supplied.

BCITO Standards

		Number of Credits	
		Ext.	Int.
40572	Apply mathematical processes to a BCATS project		5
40570	Work with materials for a BCATS project		5
40571	Manage the use of tools, equipment, and machinery for a BCATS project		5
40576	Create and evaluate a BCATS project		8
		Total Credits:	23

Digital Technology:

Computer Science and Programming (13DTC)

Course Description

Level 3 Computer Science and Programming builds on the knowledge and skills gained in Level 2 Computer Science and Programming. It is designed to provide a solid foundation for careers in computing, and the study of computing at tertiary level.

Pre-requisites

- Students must have access to a computer that is running Windows
- Should enjoy solving computational problems. Those whose strengths include Maths and English are most likely to succeed.
- Successful completion of Level 2 Computer Science, or some experience with programming in Python is recommended.

Achievement Standards

		Number of Credits	
		Ext.	Int.
91902	Use complex techniques to develop a database		4
91906	Use complex programming techniques to develop a computer program		6
91907	Use complex processes to develop a digital technologies outcome		6
91908	Analyse an area of computer science	3	
		Total Credits:	19

Digital Skills for Employment and Education (13DTS)

Course Description

This Level 3 course, which is 100% internally assessed, builds on the Level 2 DTS course. It prepares students for further study, employment, and the confident use of Microsoft Office applications.

Students learn to create professional documents, spreadsheets, presentations, and publications, while developing effective file management skills and using digital tools to communicate information clearly and purposefully.

Pre-requisites

- Students must have access to a computer running Windows 11
- Computer literacy (understanding of computer basics and file management)
- Students who have completed 12 Digital Skills for Employment and Education (12DTS) or have adequate experience (NCEA Level 2 equivalent) in MS Word, Excel and PowerPoint will be better prepared for entry into this course
- An ability to work autonomously and independently.

Unit Standards	Number of Credits	
	Ext.	Int.
29785 Use a word processing application to integrate images, spreadsheet and database data into documents		5
29786 Produce a spreadsheet for organisational use		5
29789 Use a presentation application to produce an interactive multimedia presentation		3
29792 Use a desktop publishing application to produce documents		4
Total Credits:		17

Digital Technology Media (13DTM)

Course Description

Level 3 Digital Technology Media provides a solid foundation for careers or tertiary study in design and media technologies.

Students investigate, design, create, and evaluate digital media outcomes while applying complex production techniques and considering fitness for purpose in authentic contexts. The course prepares students for tertiary study and careers in design, media, and creative technologies.

Pre-requisites

Nil. However, students who have completed a Digital Technology course at Level 2 will be well prepared for entry into Level 3 Digital Technology Media.

Achievement Standards	Number of Credits	
	Ext.	Int.
91610 Develop a conceptual design considering fitness for purpose in the broadest sense.		6
91611 Develop a prototype considering fitness for purpose in the broadest sense.		6
91612 Demonstrate understanding of how technological modelling supports technological development and implementation.	4	
91903 Use complex techniques to develop a digital media outcome.		4
Total Credits:		20

Art Design (13ARD)

Course Description

This course is for students who are ready to take their creativity to the next level. With support from their teacher, students will design their own brief and develop a series of promotional materials based on a theme or issue that matters to them.

Students will build on their existing design skills while exploring new techniques, tools, and ideas. They'll be encouraged to think independently, problem-solve creatively, and express their unique voice through their work.

The course focuses on developing a strong, connected body of work that shows both technical skill and personal expression. Students will be assessed on their creative process throughout the year, and their final artworks will be submitted as a three-panel folio, which is externally assessed.

This is an exciting opportunity for students who enjoy working independently, want to explore design in depth, and are considering further study or a career in the creative industries.

Pre-requisites

- Limited places are available in this course
- Must have achieved a pass in Level 2 Design, Painting or Photography.
- Computer knowledge is beneficial

Specific Costs

- Printing \$10 per A1 sheet (3 required)
- Folio board, courier and consumable charge \$30
- Art pack specified in stationery list - approx \$40

Number of Credits

Ext.	Int.
	4
	4
14	
Total Credits: 22	

Achievement Standards

91445 Use drawing to demonstrate understanding of conventions appropriate to design.

4

91450 Systematically clarify ideas using drawing informed by established design practice.

4

91455 Produce a systematic body of work that integrates conventions and regenerates ideas within design practice.

14

Total Credits: 22

Art Painting (13ARP)

Course Description

If you're looking for a subject that will challenge you to create, experiment, and grow, Painting Visual Arts could be for you. Success in this course requires a genuine commitment to painting and a willingness to put in work outside the classroom to complete the volume of practical work required. Although it is a natural choice for students interested in studying Visual Arts in the future, it is also ideal for those who want to develop strong work habits, creative confidence, and the ability to think outside the box.

Throughout the course, students develop technical painting skills while exploring a range of artistic processes, techniques, and ideas. They investigate the work of established artists, experiment with different approaches to artmaking, and create a portfolio that documents the development of their practice.

Students learn how to generate, refine, and communicate ideas visually while building an understanding of how artists respond to the world around them. The course encourages curiosity, critical thinking, and creative risk-taking, culminating in a body of work that reflects each student's individual interests and artistic voice.

Pre-requisites

- Limited places are available in this course
- Preference given to those who have passed either Level 2 Painting, Photography or Design
- Willingness to commit to working outside of class time

Specific Costs

- Folio board, courier and consumable charge \$30
- Art pack specified in stationery list - approx \$90

Achievement Standards

		Number of Credits	
		Ext.	Int.
91446	Use drawing to demonstrate understanding of conventions appropriate to painting.		4
91451	Systematically clarify ideas using drawing informed by established painting practice.		4
91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice.		14
		Total Credits:	22

Art Photography (13APH)

Course Description

Photography is more than taking great pictures. It's about using images to communicate ideas, tell stories, and explore the world from your own perspective. In this course, students develop a three-panel folio based on a theme or subject that is meaningful to them. Working alongside their teacher, they research artists, explore creative approaches, and create a body of photographic work that reflects their interests and artistic voice.

Students build skills in camera control, lighting, composition, and digital editing while documenting their creative process in a workbook. They are also encouraged to explore themes such as creation, beauty, identity, and faith, considering how photography can express both the wonder of God's creation and their own unique perspective.

This course is ideal for curious, self-motivated students who enjoy working independently and want to strengthen their creative thinking, visual communication, and problem-solving skills.

Pre-requisites

- Preference given to those who have passed either Level 2 Painting, Photography or Design.
- DSLR camera
- Laptop capable of supporting Adobe Photoshop
- Willing to commit to photo shoots outside of class time.

Specific Costs

- Printing \$10 per A1 sheet (3 required)
- Folio board, courier and consumable charge \$30

Achievement Standards

		Number of Credits	
		Ext.	Int.
91447	Use drawing to demonstrate understanding of conventions appropriate to photography		4
91452	Systematically clarify ideas using drawing informed by established photography practice		4
91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice.	14	
		Total Credits:	22

Alternative Pathways to Qualifications

STAR (Secondary Tertiary Alignment Resource)

The STAR provides learning experiences that link to students' needs and transitions them into tertiary study. Courses may be within the school (such as Barista, First Aid, or online like some first year University courses.) See Mrs Wilson for any requests.

STAR aims are to:

- Help students' direct entry into the work force
- Provide students with courses that both meet their needs and help their transition into further education or employment
- Help students make informed decisions about their future schooling and future work

Te Kura Correspondence School (13COR)

Subjects which are not offered at Middleton are sometimes offered through the correspondence school. Students are allowed to do these subjects at the discretion of their parents, their Dean and the Te Kura Co-ordinator, Mrs Wilson. They would do the subject in their own time or during study periods.

Introduction to Education and Teaching (13IET)

Course Description

This course is designed to prepare students who are interested in a career working with children. The career possibilities include Early Childhood Education and Primary Teaching, Social Work, Nursing, Speech and Language Therapy, Occupational Therapy, Psychology or other Health pathways etc. The course sets the foundation for understanding children's development and learning in the wider context of community, culture and ethics.

The course involves work experience in an Early Childhood Centre or school (or by negotiation for individual pathways) for two days per term for three terms, and in the Middleton Grange Primary School during timetabled periods.

There is a practical component including Sign Language, Music, Te Reo Māori, Art and resource making.

Personal development and growth is an important aspect of the course with various tools used to foster this, including the Strengths Finders team coaching.

In consultation with the students, and based on their interests and academic needs, the course will be finalised in February 2027

As this is a Gateway funded course, there is a 20-credit requirement for Tertiary Education Commission reporting purposes. These 20 credits must be obtained from the standards below to meet this requirement. Entry into this course requires a completed Gateway Application Form the year before, and an appointment with the Gateway Staff.

Unit Standards	Number of Credits	
	Ext.	Int.
33034 He whāriki mātauranga mō ngā mokopuna o Aotearoa Early Childhood		3
32990 Develop skills to observe and analyse learning and development		3
29864 Demonstrate knowledge of attachment theories, behaviours and transition support in an early childhood setting.		3
29865 Describe and reflect on practices to protect and promote the health and holistic wellbeing of young mokopuna/children		4
29869 Demonstrate knowledge of ethical responsibility to guide practice in an early childhood setting.		3
6400, 6401, 6402 First Aid Certificates: (3 x Level 2 credits, 2x Level 3 credits)		5
	Total Credits: 21	

Tourism and Hospitality (13TAH)

Course Description

The class is open to Year 13 students who are interested in a career pathway in tourism and hospitality. Students will also learn work skills relevant to both industries. Guest speakers and tertiary liaisons will be invited to make presentations to the class. Students will complete between 5- 10 days of unpaid work experience. Recommended to study alongside Food Technology, Geography, Business Studies, Physical Education.

As this is a Gateway funded course, there is a 20-credit requirement for Tertiary Education Commission reporting purposes. These 20 credits must be obtained from the standards below to meet this requirement. Entry into this course requires a completed Gateway Application Form the year before, and an appointment with the Gateway Staff.

Unit Standards	Number of Credits	
	Ext.	Int.
3727 Demonstrate knowledge of Pacific Island countries as visitor destinations		5
26461 Demonstrate knowledge of Asian countries as tourist destinations		8
18211 Demonstrate knowledge of Australia as a tourist destination (<i>if time allows</i>)		5
23766 Demonstrate knowledge of the tourism industry		5
30265 Apply health and safety risk assessment to a job role		8
	Total Credits: 31	