

AUCKLAND GIRLS' GRAMMAR SCHOOL  
PER ANGUSTA AD AUGUSTA



# Senior Course Booklet 2019

Name: \_\_\_\_\_

## ABBREVIATIONS USED

AS	Achievement Standards
US	Unit Standards
NCEA L1	National Certificate of Educational Achievement Level 1
NCEA L2	National Certificate of Educational Achievement Level 2
NCEA L3	National Certificate of Educational Achievement Level 3
NC	National Certificate – specialised E.g. National Certificate in Computing Level 2
LPC	Learning Programme Co-ordinator
FC	Faculty Co-ordinator
TBC	To be confirmed

### **Course availability:**

The courses outlined in this booklet are all expected to run in 2019, except when there are insufficient students choosing a particular course for it to be viable. While we make every effort to meet students' needs, it is possible that some individual courses may not run, or in some cases, they may be combined with another level of that subject.

### **Course Advice:**

Parents are encouraged to participate in the Option Choice process. Deans, Deputy Principals and Career staff are all available to advise students on their choices. Please contact the school if you would like to arrange an appointment time for the next few weeks.



# CONTENTS

Principal's Introduction	3
Staff to see for advice	4
AGGS Course Structure	5
Course Selection Process for 2019	7
National Certificate of Educational Achievement (NCEA)	8
What are the Vocational Pathways?	9
University Entrance in 2019 and beyond	10
Career Course Choice Guide	11
Choosing the right courses for your future	12
Arts Faculty	13
English Faculty	17
Health and Physical Education Faculty	19
Languages Faculty	20
Mātauranga Māori Faculty	22
Mathematics Faculty	24
Pathway Faculty	26
Science Faculty	28
Social Sciences Faculty	30
Technology Faculty	33





July 2018

Dear Students, Parents and Caregivers

Over the next few weeks, you will be making important decisions on subject choices for next year. This Course Booklet provides information to assist you to make the appropriate course selection. It outlines the curriculum offered at Auckland Girls' for Years 12 to 13, including possible course pathways, and individual subject descriptions, along with subject prerequisites and the credits offered towards qualifications.

Students are encouraged to choose a programme that allows them to optimise their potential as individuals and achieve the highest possible levels of success. We offer a wide range of courses that lead to national qualifications and awards and prepare our girls for their future pathways. We encourage each of our students to study a broad range of subjects from several different curriculum areas, for as long as possible. Diversity of subject choice will support changes in direction and better prepare students for the expectations of tertiary institutions. It is also important to plan educational pathways with care, checking entry requirements for tertiary courses and ensuring that special requirements for qualifications, such as literacy and numeracy, are fulfilled.

We have a Pathways programme for Year 12 and Year 13 students which are aligned with the government initiative to enable students to focus their learning on a particular industry or broad career pathway, by making clear links between education and employment. You will find more information on this programme on page 15.

I hope that you find this booklet useful in guiding your decision making. Further advice and guidance is available from the Deputy Principals, Faculty Coordinators, Deans, and the Careers Advisor at school.

Ngaire Ashmore  
Principal



# STAFF TO SEE FOR ADVICE

<b>ARTS</b>	Ms Moller (FC) & Director of Music Ms Dugdale - Visual Arts Ms Sullivan - Dance Ms Smith-Roy - Drama Mr McQuillan – Media Studies
<b>CAREERS/STUDENT SUPPORT</b>	Mrs Hames (Director of Student Support / Careers Advisor) Ms Larsen (Learning Centre)
<b>ENGLISH</b>	Ms Stone (FC)
<b>LANGUAGES</b>	Miss Malins (FC)
<b>MATAURANGA MAORI</b>	Koka Rhonda Tibble (FC)
<b>MATHEMATICS</b>	Ms Krishnan (Acting FC)
<b>PHYSICAL EDUCATION</b>	Ms Jobe (FC)
<b>SCIENCE</b>	Ms Denny (FC) & Biology Ms Tudor - Chemistry Ms Arthur - Science Ms Rhode - Physics
<b>SOCIAL SCIENCES</b>	Miss Rhodes (FC) & History Mr Issacs - Geography Ms Wilson - Social Studies / Classics Ms Sturme - Economics / Business Studies
<b>TECHNOLOGY</b>	Mr Hawkins (FC) Miss Langlands - Computing
<b>VOCATIONAL PATHWAYS</b>	Ms Ashmore (FC)
<b>SENIOR COURSE ADVISOR</b>	Ms Rhode
<b>PASIFIKA ACHIEVEMENT COORDINATOR</b>	Ms Peters
<b>DEANS 2019</b>	Mrs Fakaosi (Yr 9) Ms Wikaire (Yr 10) Mrs Lee-Cooper (Yr 11) Ms Harridge (Yr 12) Ms New (Yr 13) Ms Sturme (International) Whaea Joey Rogers (Kahurangi)
<b>DEPUTY PRINCIPALS</b>	Ms Flannery – Student Services Ms Lamberton – Curriculum and Assessment Mr Morgan – Teaching and Learning
<b>PRINCIPAL</b>	Ms Ashmore



# Course Structure

Note: Courses will only be offered if there are sufficient numbers.

		Year 9	Year 10	Year 11
	Arts	<b>Visual Art *</b> <b>Drama/Dance*</b>  <b>Music*</b>	Visual Art(*) Dance*  Drama(*) Media Studies* Music(*)	Visual Art Dance Design (Practical Art) Drama Media Studies Music Music Performance Photography
	English	<b>English</b> - English Advanced - English - English Enrichment	<b>English</b> - English Advanced - English - English Enrichment	English Advanced English English Enrichment
	Health & PE	<b>Physical Education and Health*</b> Physical Education*	Physical Education and Health Physical Education and Health* Health Studies*	Physical Education and Health Health Studies
	Languages	<b>French*</b> <b>Japanese*</b> <b>Samoan*</b>	French Japanese Samoan	French Japanese Samoan Lea Faka-Tonga
	Māori	<b>Te Reo Maori*</b>	Te Reo Maori	Te Reo Maori
	Mathematics	<b>Mathematics</b> - Mathematics Advanced - Mathematics - Mathematics - Numeracy	<b>Mathematics</b> - Mathematics Advanced - Mathematics - Mathematics - Numeracy	Mathematics General Mathematics Practical Mathematics
	Science	<b>Science</b>	<b>Science*</b> Electronics* Extreme Earth & Space*	General Science Science for Life
	Key:  <b>Text in Bold</b> = Compulsory curriculum  * = one semester course	<b>Social Science</b>	<b>Social Studies*</b>	<b>Social Studies</b> Enterprise Studies* Money Matters* Philosophy*
	<b>Technology</b>	<b>Technology*</b>	Architectural Design* Digital Technologies * Food Technology* Textiles Technology*	Design & Visual Communication Digital Design Technology Digital Technology Programming Food Technology Textiles Technology
	<b>Pathways</b>			



Year 12	Year 13	Multi-Level Courses
Art History Dance Design (Practical Art) Drama Media Studies Music/Music performance Painting Photography	Art History Dance Design (Practical Art) Drama Media Studies Music Painting Photography	
<b>English</b> - English Advanced - English - English Enrichment	English Advanced English English Enrichment	Foundation English Intermediate English Literacy (ESOL)
Health Studies Physical Education and Health	Health Studies Physical Education and Health Healthy Lifestyles*	
French Japanese Samoan Lea Faka-Tonga	Japanese Samoan Lea Faka-Tonga	
Te Reo Maori	Te Reo Maori	Maori Performing Arts Tikanga Maori Mana Wahine
Mathematics Advanced Mathematics with Statistics General Mathematics Practical Mathematics	Mathematics with Calculus Mathematics with Statistics General Mathematics	
Applied Science Biology Chemistry Physics Sustainability (cross-curricular)	Applied Health Science Biology Chemistry Physics Sustainability (cross-curricular)	
Business Studies Classical Studies Economics Geography History Senior Social Studies (Philosophy) Tourism & the Travel Industry	Business Studies Classical Studies Economics Geography History Senior Social Studies Tourism & the Travel Industry	
Design & Visual Communication Digital Design Technology  Food Technology Textiles Technology Hospitality	Design & Visual Communication Digital Design Technology  Food Technology Textiles Technology	
Pathways	Pathways	Childcare
Gateway	Gateway	



# Course selection process for the 2019 school year

1

Senior Course Booklet for 2019 is published for students and staff and is also available on the school website.

Students discuss their choices with parents, caregivers, teachers, Deans, Careers Advisor, Senior Course Advisor, Faculty Co-ordinators, Deputy Principals.

Parents are encouraged to make contact with the school to discuss their daughter's choices.



2

Yr 11 and 12 students complete their Option forms at academic pathway interviews and enter them in during this time.

Yr 10 students complete their Option forms during Term 3.

Year 9 students complete their Option forms during Term 3.



3

In **Term 4**, Deans and subject teachers check subject lists and make recommendations for any changes to individual students' courses.

During the timetabling process, some students may be contacted to discuss their courses.



4

**January 2019:** once external results are available, students must notify the Dean or Senior Course Advisor of any last minute changes to their option choices.

The Deans & Senior Course Advisor checks each student's course against prerequisites & examination results.



5

**Late January 2019:** All senior students should check for their course confirmation on the school intranet. The school website will have details and dates. There will be a Course Confirmation day held for each senior year level where each student discusses & finalises her course with a Dean. Students with confirmed courses need not attend this day.

**2019 Timetable begins:** Thurs 7th Feb (to be confirmed)





# NATIONAL CERTIFICATE of EDUCATIONAL ACHIEVEMENT

**NCEA (National Certificate of Educational Achievement)** is New Zealand's main national qualification for secondary school students and is part of the National Qualifications Framework (NQF). Each subject offers a range of **standards** that are designed to assess how well students perform in different skill and knowledge areas. When a student achieves a standard they gain **credits** on the National Qualifications Framework (NQF).

The NQF contains two types of national standards: Achievement Standards and Unit Standards. The credits from all Achievement Standards and Unit Standards count towards NCEA.

Achievement Standards may be internally or externally assessed. External assessment is by NZQA (New Zealand Qualifications Authority) at the end of the school year. Internal assessment of Achievement Standards is carried out by subject teachers throughout the year in such form as tests, project work, practical work and performances. Achievement Standards are assessed as follows: "Achieved", "Achieved with Merit", "Achieved with Excellence" or "Not Achieved".

Unit Standards are all internally assessed and also earn credits on the National Qualifications Framework. Some Unit Standards are linked to tertiary or vocational industry-based courses. Unit Standards are assessed on the basis of meeting the required standard and therefore the result will be generally shown as "Achieved" or "Not Achieved".

There are rigorous external and internal moderation systems in place to ensure that internal assessment is fair, student work is authentic, and marking is accurate and consistent with national standards.

**NCEA Level 1** is gained by accumulating a **minimum of 80 credits**, at least **10** of which show **numeracy** skills and **10** other credits which show **literacy** skills.

**NCEA Level 2** requires a **minimum of 60 credits at Level 2** or above and **20 credits** at any other level, plus Level 1 literacy and numeracy. Credits can be used for more than one qualification, so some NCEA Level 1 credits can count towards NCEA Level 2.

**NCEA Level 3** requires a **minimum of 80 credits**, of which **60** must be at **Level 3** or above and **20** at **Level 2** or above, plus Level 1 literacy and numeracy. Credits can be used for more than one qualification, so some NCEA Level 2 credits gained in a previous year can count towards NCEA Level 3.

## Certificate Endorsements

NCEA Level 1 – 3 Certificates will be endorsed as follows:

**Endorsement with Merit** for a student who achieves 50 credits or more at Merit or Excellence.

**Endorsement with Excellence** for a student who achieves 50 credits or more at Excellence.

## Course endorsement

A course endorsement provides recognition for a student who has performed exceptionally well in an individual subject course.

Students will gain an endorsement for a course if for that course, in a single school year, they achieve:

- 14 or more credits at Merit or Excellence
- and at least 3 of these credits are from externally assessed standards and 3 credits from internally assessed standards.

Note: this does not apply to Physical Education, Religious Studies or Level 3 Visual Arts.

**NZ Scholarship** is a **monetary award** designed to extend and recognise top-level students. Most subject areas at AGGS that offer Level 3 also offer entry into NZ Scholarship. This should be discussed with the appropriate FC.

For more information on **NCEA** visit: <http://www.nzqa.govt.nz/ncea/index.html>

For more information on **Scholarship** visit: <http://www.nzqa.govt.nz/scholarship/index.html>



# What are the Vocational Pathways?



The Vocational Pathways provide new ways to achieve NCEA Level 2 – the foundation for success in further education and the world of work. The pathways help students see how their learning and achievement is valued in the ‘real world’ by aligning the NCEA Level 2 Assessment Standards including specific ‘sector-related’ standards with six industries:

- Primary Industries
- Services Industries
- Social & Community Services
- Manufacturing & Technology
- Construction & Infrastructure
- Creative Industries

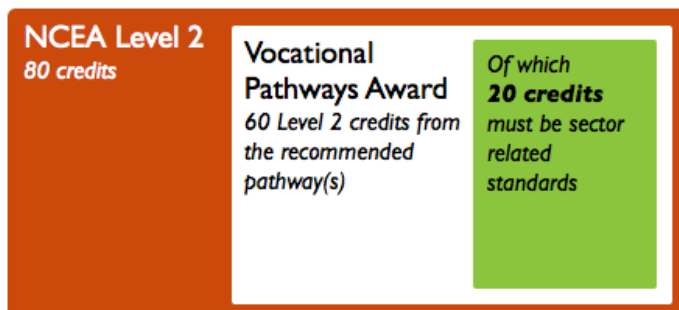
These six pathways represent ways to structure and achieve NCEA Level 2 by providing a more coherent framework for vocational education; students can develop their own individual education plans, are better informed and able to make better choices to meet their goals.

Government agencies, the industry training sector, secondary and tertiary representatives and industry and employer representatives worked together to develop the six Vocational Pathways for NCEA Level 2 as the foundation of the journey to employment. These groups are now in the process of developing pathways through qualifications achieved in NCEA Level 3 and beyond.

## What is a Vocational Pathways Award?

The award enables employers to assess whether potential employees’ skills align with their industry requirements more easily. To receive a Vocational Pathways Award, students must first gain NCEA Level 2, which is 60 credits from Level 2 and 20 credits from any other level; 80 credits in total. 10 of these 80 credits must satisfy the literacy requirements, and 10 of these 80 credits must satisfy the numeracy requirements. To get a Vocational Pathways Award, 60 of the Level 2 credits must be from the recommended standards in one or more pathways, including 20 Level 2 credits from sector related standards.

The following diagram shows this relationship:



The Vocational Pathways Award(s) will be awarded to students on their NZQA Record of Achievement. You can follow your Vocational awards on your ROA or through your student portal. They can be a real advantage when they look for work and training opportunities in the sector.



# UNIVERSITY ENTRANCE

## to enter tertiary courses in 2014 and beyond

University Entrance (UE) will continue to be the minimum requirement to go to a New Zealand university.

From 2014, to be awarded UE you will need:

<b>Level 3</b>	60 credits at Level 3 (plus 20 at Level 2 or above) including:		
	14 credits in a 1 <sup>st</sup> Approved Subject*	14 credits in a 2 <sup>nd</sup> Approved Subject*	14 credits in a 3 <sup>rd</sup> Approved Subject*
<b>Level 2</b>	Literacy made up of 5 credits in reading and 5 credits in writing <i>(available from a range of subjects)</i>		
<b>Level 1</b>	Numeracy - 10 credits made up of: <ul style="list-style-type: none"> <li>➤ specified achievement standards available through a range of subjects, or</li> <li>➤ a package of three numeracy unit standards (26623, 26626, 26627- <b>all three required</b>).</li> </ul>		

Further details are here: <http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/>

The University of Auckland is introducing an Academic English Language Requirement. Therefore you must have gained a minimum of 17 NCEA credits in English at Level 2 and/or 3.

**\*Approved Subjects (for UE in 2019):**

Accounting	Education for Sustainability	Music Studies
Agriculture & Horticulture	English	Painting (Practical Art) Photography (Practical Art)
Biology	French	Physical Education
Business Studies	Geography	Physics
Calculus	German	Processing Technologies
Chemistry	Health Education	Religious Studies
Chinese	History	Samoan
Classical Studies	History of Art	Science
Construction & Mechanical Technologies	Home Economics	Sculpture (Practical Art)
Cook Islands Maori	Indonesian	Spanish
Dance	Japanese	Social Studies
Design (Practical Art)	Korean	Statistics
Design & Visual Communication	Latin	Technology
Digital Technologies	Lea Faka-Tonga	Te Reo Maori
Drama	Mathematics	Te Reo Rangatira
Earth & Space Science	Media Studies	
Economics		



# CAREER COURSE CHOICE GUIDE

## Your career

A career is not just a job. It is a lifelong process that includes paid and unpaid work, as well as formal and informal education. It influences and is influenced by other activities such as family life and leisure activities. It is important that you consider all of these areas when making career plans. To make career decisions you also need to understand yourself and the skills you have. Then you need to investigate what opportunities are available to you. The website [www.careers.govt.nz](http://www.careers.govt.nz) is a helpful tool.

Many tertiary courses have much higher entrance requirements than the minimum entry level. Listed below are the prerequisites required by some tertiary institutions for acceptance into the course shown. It is not intended to be a guide to every course available but may give you some help with your option choices. The institutions do alter their criteria so it is strongly advised that you check the details before making decisions based on this information. The Careers Advisor is available to help you.

Career Area	NCEA Level 3
Architecture	A broad-based academic programme including an English rich subject is recommended. Mathematics, Physics and a creative subject are an advantage e.g. Painting or Design.
Biomedical Science	Biology, Chemistry and Physics.
Business, Commerce	A broad-based academic programme is recommended. Mathematics (Statistics) is an advantage and it is useful to have studied Accounting and Economics but not essential.
Communication Studies	English rich subjects plus an enthusiasm for communication activities such as drama, media, debating or film are recommended. Advised to take English at NCEA Level 3.
Computing/IT	A broad-based academic programme is recommended including Mathematics.
Dentistry	Biology, Chemistry, Physics.
Design	Practical art subjects are an advantage as often a portfolio is required.
Engineering	Physics, Mathematics with Calculus and a language-rich subject. Chemistry is also required at Canterbury University.
Fine Arts	Two practical Art subjects are an advantage. A portfolio is usually required.
Food Science/ Technology	Mathematics with Calculus and the three sciences.
Health Sciences	Biology, Chemistry and Physics.
Hospitality	A broad range of subjects is an advantage.
Law	It is useful to have studied essay based subjects, e.g. English, History
Medical Lab Science	Biology, Chemistry, and Statistics and Modelling.
Medicine	Biology, Chemistry, Physics – essential for Otago and U of A 1 <sup>st</sup> Year of Bio-Medical Science
Music	Auditions are required for specialisation in Performance.
Nursing	An English rich subject and one of Biology, Chemistry or Physics
Occupational Therapy	A broad range of subjects including a science or Mathematics.
Optometry	Biology, Chemistry and Physics.
Performing Arts	Performance skills in the chosen specialisation plus an audition.
Pharmacy	Biology Chemistry and Physics.
Physiotherapy	Biology, Chemistry and Physics for Otago. Min of 56 Level 3 credits in 3 approved subjects for AUT.
Planning	A broad range of academic subjects is an advantage.
Physical Education	A broad range of subjects is an advantage.
Pilot	Calculus, Physics and English are recommended.
Teaching	A broad range of subjects is an advantage.
Technology	Calculus, Statistics, Physics and Chemistry.
Travel and Tourism	A broad range of subjects is an advantage.
Veterinary Science	Biology, Chemistry, Physics, Statistics or Calculus and English.

For up-to-date careers and tertiary course information visit:

- Mrs Hames (Careers Advisor) in the Careers Zone of the i-Centre.
- Visit [www.careers.govt.nz](http://www.careers.govt.nz) for a comprehensive overview of all careers including training information.
- Career Quest is a questionnaire on the Career Services website and will give you Career ideas linked to your skills and interests. [www.careers.govt.nz](http://www.careers.govt.nz)
- We encourage every student to set up 'My Career Space' on the website so they save their CV, job profiles etc. It is wise to start this process in Year 11.
- Youth Guarantee – [www.youthguarantee.net.nz](http://www.youthguarantee.net.nz), visit this site for information on vocational pathways and to see your profile builder.



# Choosing the right courses for your future:

## ‘Educated at Auckland Girls’, Equipped for the world’

Your choices at school can make a difference to your pathway when you leave school, so choose carefully and remember these important points:

- Think about the subjects that you enjoy and also the ones that you are succeeding in now
- Don't specialise too soon - keep your overall course as broad as possible
- Research the subject requirements for your possible career choices
- Always have a backup plan for your future pathway
- Think about how you prefer to work and learn E.g. practical subjects, written subjects, performance subjects, creative subjects, scientific subjects
- Check that you will have the pre-requisites for your 2019 subjects
- Discuss your options with as many people as possible E.g. Form teacher, Dean, Careers Advisor
- Involve your parents in your decision-making – they know you well!

### Course Requirements at AGGS in 2019

Yr 11	Course Requirements	Equivalent of 6 full year NCEA Level 1 subjects
	Compulsory	To Be Confirmed
Y12	Course Requirements	Equivalent of 6 full year NCEA Level 2 subjects
	Compulsory	English – full year
Y13	Course Requirements	Equivalent of 5 full year subjects (at Level 3 or combination L2/L3)
	Compulsory	Either 2 semesters of study or 1 semester of study and 1 semester of HLS

In some individual cases, students may study at more than one level of NCEA in the same year.

### Pre-requisites for Courses:

Continuing on to Year 12 & 13 in most subjects requires that you have gained a minimum standard (prerequisite) this year. The prerequisites are listed within the individual course information. Some courses will have open entry or no prerequisite. You will not be able to take the course if you have not gained the prerequisites.

### Portfolio subjects: (Visual Art, Design, Design & Visual Communication, Painting, Photography, Sustainability, Technology)

These are subjects that require you to submit a major collection of work at the end of the year for the external assessment. For workload reasons, it is recommended that you only take **one** portfolio subject, but exceptions to this may be made at the discretion of your teachers, and in consultation with both you and your parents.

### Course availability and credits:

Each course offered in this booklet will run in 2019, provided that sufficient students choose to take it. For senior school subjects, the credit value offered in each course is an approximate indication and may be subject to change. Course outlines issued by teachers at the start of 2019 will confirm the details of assessments and credits to be offered.



# ARTS FACULTY

This is the learning area which explores and celebrates the processes and products of creativity and personal expression. The Arts are powerful forms of expression, providing essential learning for living and developing a wide range of general and specific skills, vital for employment, study, leisure and recreation.

The Arts are the basis of international communication and understanding as they cross all boundaries and link all areas of thought and personal endeavour. The Arts subjects enable students to explore, understand and communicate ideas in creative ways. They encourage individuality and an ability to be adaptable and innovative in the face of change.

## YEAR 12 COURSES

**12AHI**

**ART HISTORY**

Art History is the study of when and why art works are made. It provides valuable tools of; critical thought, literacy skills, and the understanding of essential art ideas and concepts. It consists of researching Art History topics and the examination of Art Movements. By discussing artworks students will examine the subjects and themes in art and the techniques used to communicate these. There is no practical art component, but this subject is a recommended companion course to any of the Visual Arts. Two internal and three external standards are available for assessment. There is no practical art component, but this subject is a recommended companion course to any of the Visual Arts.

Credits available	
L2	AS
Internal	8
External	12
<b>Total</b>	<b>20</b>

**12DAN**

**DANCE**

Dance is the study of human movement through creative expression. In Year 12 Dance you will explore a range of dance techniques, choreograph group dances and analyse professional dance works. Taking Dance as a subject is a unique opportunity to develop creative thinking and problem-solving skills and to work collaboratively with others. As well, this course will involve a field trip to watch a live performance which will cost approximately \$15. You will need to receive 14+ credits in Level 1 Dance or approval from the Head of Department to take Dance at Level 2.

Credits available	
L2	AS
Internal	18
External	4
<b>Total</b>	<b>22</b>

**12DES**

**DESIGN (Practical Art)**

Design is an investigative approach to design problem solving using digital technologies as the primary means of exploring and thinking. In Year 12 Design students will learn the basics of Photoshop and techniques of image and text manipulation. They will be introduced to the foundation principles and key conventions of design through research into typography based magazine spreads. Students will choose their own topic, with guidance, to base their work on for the year. There are opportunities for students who prefer to generate imagery by hand in the form of illustration topics or incorporating drawing or collage into commercial topics. The charge of \$60 will cover all printing and presentation costs. There are no pre-requisites for this course although some form of visual arts study in Year 11 would be useful.

Credits available	
L2	AS
Internal	12
External	12
<b>Total</b>	<b>24</b>

**12DRA**

**DRAMA**

This course focuses on the development of dramatic technique and further exploration of characterisation. Within the Year 12 course, students study the Theatre practitioner Bertolt Brecht and create a piece of devised theatre based on his theory. Students then study and perform pieces of Elizabethan theatre and are required to write about this in the external examination. Students will also be taken to a professional theatre show that they will have the opportunity to write about in the written examination. The cost for this is \$15 per student. In order to be accepted into Year 12 Drama, students must have completed the Year 11 Drama course or can gain access through an audition.

Credits available	
L2	AS
Internal	22
External	4
<b>Total</b>	<b>26</b>



**12MED****MEDIA STUDIES**

Media Studies is the study of media texts, their creation and influence on society, media technologies, media industries and media history. The course contains both written, academic elements and practical, hands-on activities in project-based assessments. You will need to have gained 10 credits in Year 11 Media Studies or similar course, subject to approval by Faculty Co-ordinator.

Credits available	
L2	AS
Internal	16
External	4
<b>Total</b>	<b>20</b>

**12MUS/12MUP****MUSIC/MUSIC PERFORMANCE**

Music is the study of performance, composition, songwriting, research, technology/Elearning and notation. This course consists of standards that allow you the opportunity to work collaboratively as a member of a group or as an individual to perform and compose. As performance is a compulsory part of the course, you will be required to learn an instrument through the itinerant scheme or privately and attend your weekly lessons. You will discuss with your Music teacher which are optional credits. You must have done Level 1 Music or 11MUP the prior year and have achieved 12 credits in Music. If you have not done Music before you must seek permission from Ms Moller.

Credits available	
L2	AS
Internal	24
External	8
<b>Total</b>	<b>32</b>

**12PAI****PAINTING**

This course introduces the concept of developing an individual practice in Painting. It consists of studying the styles, methods and ideas of established Painters in a context of drawings to develop and generate and extend ideas in a body of painting. Students will be given the opportunity to generate and build on their own areas of interest in their individual approach to their work. Students will be encouraged to experiment with a range of painting media and approaches to enhance their own learning experience. It is recommended students have studied a Visual Arts subject in Year 11.

Credits available	
L2	AS
Internal	12
External	12
<b>Total</b>	<b>24</b>

**12PHO****PHOTOGRAPHY**

Photography is the study of using the photographic process to communicate information, ideas and personal insights. The study of Photography offers an opportunity for students to develop creative and critical thinking skills as well as visual literacy. In this course, students will be able to choose between Digital and Analogue Photography. The course will cost \$100 to cover photographic printing costs. Students will need to have 14+ credits at Level 1 in Photography or Design or approval from the Head of Department to take Level 2 Photography.

Credits available	
L2	AS
Internal	8
External	12
<b>Total</b>	<b>20</b>

<b>YEAR 13 COURSES</b>
------------------------

**13AHI****ART HISTORY**

Students will gain an overview of art history and learn how to analyse art works. Areas of study will include an introduction to the Italian Renaissance and then focus on modern and postmodern art in New Zealand and the USA. Through analysis of art works in context, students will gain an insight into artists as diverse as Leonardo da Vinci, Colin McCahon, Andy Warhol and Judy Chicago.

Credits available	
L3	AS
Internal	12
External	8
<b>Total</b>	<b>20</b>

**13DAN****DANCE**

Dance is the study of human movement through creative expression. In Year 13 Dance you will explore a range of cultural and social dance styles, choreograph your own dances and analyse professional dance works. Taking Dance as a subject is a unique opportunity to develop creative thinking and problem-solving skills and to work collaboratively with others. As well, this course will involve a field trip to watch a live performance which will cost approximately \$15. This course is an approved UE course. You will need to receive 14+ credits in Level 2 Dance or approval from the Head of Department to take Dance at Level 3.

Credits available	
L3	AS
Internal	26
External	4
<b>Total</b>	<b>30</b>



13DES

**DESIGN (Practical Art)**

Design is an investigative approach to design problem solving using digital technologies as the primary means of exploring and thinking. The study of Design offers an opportunity for students to develop creative and critical thinking skills as well as visual literacy. In Year 13 Design students will build on the skills and techniques of image and text manipulation learnt in level 2 Design. Students will choose their own topic, with guidance, to base their work on for the year. There are opportunities for students who prefer to generate imagery by hand in the form of illustration topics or incorporating drawing or collage into commercial topics. The charge of \$60 will cover all printing and presentation costs. This course is UE approved and includes literacy credits. Students will need to have 14 credits at Level 2 in Design or approval from the Head of Department to take 13 Design.

Credits available	
L3	AS
Internal	15
External	14
<b>Total</b>	<b>29</b>

13DRA

**DRAMA**

Drama is a creative process using words and movement to tell a story through performance. This course focuses on the development of dramatic technique and further exploration of characterisation. Within the Year 13 Course, students will work to create devised pieces based on the theories of three practitioners. They will also rehearse and perform and class production which requires them to attend after-school rehearsals. Students will also be taken to a professional theatre show that they will have the opportunity to write about in the written examination. The cost for this is \$15 per student. In order to be accepted into Year 13 Drama, students must have completed the Year 11 Drama course or can gain access through an audition.

Credits available	
L3	AS
Internal	19
External	4
<b>Total</b>	<b>23</b>

13MED

**MEDIA STUDIES**

Media Studies is the study of media texts, their creation and influence on society, media technologies, media industries and media history. The course contains both written, academic assessments and practical, hands-on activities. Year 13 Media Studies is an approved UE course. You will need to have gained 10 credits in Year 12 Media Studies or similar course, subject to approval by Faculty Co-ordinator.

Credits available	
L3	AS
Internal	16
External	4
<b>Total</b>	<b>20</b>

13MUS

**MUSIC**

Music is the study of performance, composition, songwriting, research, technology and notation. This course consists of a variety of standards that you will choose from to create a unique course according to your strengths. This will mean whether you are a performer, composer or have more analytical skills by listening to different styles of music, this course caters to you. If you choose to do performance you will be required to learn an instrument through the itinerant scheme or privately and attend your weekly lessons. This course is UE approved and includes literacy credits. You will need to have 14 credits at Level 2 in Music.

Credits available	
L3	AS
Internal	24
External	8
<b>Total</b>	<b>30</b>

13PAI

**PAINTING**

Level 3 Painting is an opportunity for students to enhance, and extend their art practice and learning from Levels 1 & 2. It consists of students researching art-making traditions and explores the links to relevant and recent painting practice. They will investigate ideas and methods in the context of a drawing study in painting toward the production of original work to show their knowledge of painting methods and ideas. This is a UE approved subject, and Level 3 Art History is a recommended companion course.

Credits available	
L3	AS
Internal	12
External	14
<b>Total</b>	<b>26</b>

13PHO

**PHOTOGRAPHY**

Photography is the study of using the photographic process to communicate information, ideas and personal insights. The study of Photography offers an opportunity for students to develop creative and critical thinking skills as well as visual literacy. In this course, students will be able to choose between Digital and Analogue Photography. They will build on the skills and knowledge gained in Level 2 Photography. The course will cost \$100 to cover photographic printing costs. This course is UE approved and includes literacy credits. Students will need to have 14+ credits at Level 1 in Photography or Design or approval from the Head of Department to take Level 2 Photography.

Credits available	
L3	AS
Internal	12
External	14
<b>Total</b>	<b>26</b>





## NATIONAL CERTIFICATE IN MUSIC/DANCE/DRAMA – Level 2

**Credits: 40**

Students who take a combination of two or more of the following subjects; Music/Dance/Drama/Performing Arts General and Maori Performing Arts at Level 2 or above can get an additional qualification.

They need to have a minimum of 30 credits in 1 subject at Level 2 and above and 10 credits from a second subject or a combination of those subjects at Level 2 or above.



# ENGLISH FACULTY

English is about making sense of the written, visual and oral texts we encounter every day. It empowers us to understand texts and see how people use language to influence the way we think and feel about the world.

## YEAR 12 COURSES

**Students need to discuss with their English teacher which class would best suit their needs.**

**IT IS COMPULSORY TO DO ONE ENGLISH OR ESOL COURSE**

12EAD

### ENGLISH ADVANCED

This is a challenging course for those who are passionate about reading and responding to texts. It asks you to critically examine written and visual texts and complete a writing portfolio, reading responses and a connections standard.

You should have 10 Level 1 English credits including at least one external. Entry is also at the discretion of the HOF

Credits available	
L2	AS
Internal	17
External	8
Total	25

12ENG

### ENGLISH

This is for students who enjoy reading and exploring ideas in literature. We study literature through a variety of mediums. You will study written and visual texts and complete a writing portfolio and reading responses.

You should have 10 Level 1 English credits including at least one external.

Credits available	
L2	AS
Internal	13
External	8
Total	21

12ENR

### ENGLISH ENRICHMENT

This course is for students who need more assistance with the study of English. The course focusses on more oral and visual standards and texts. You will also undertake an inquiry and deliver your findings as an oral presentation.

Entry is at the discretion of the HOF

Credits available	
L2	AS
Internal	18
External	4
Total	22

## YEAR 13 COURSES

**Students need to discuss with their English teacher which class would best suit their needs.**

13EAD

### ENGLISH ADVANCED

This is a challenging course for students who are passionate about literature. We study written and visual texts and examine the way the authors present ideas through a variety of lenses. We engage with Shakespeare, film, novel and deliver an oral presentation.

You will also complete a writing folio. This is a University approved course.

You should have 10 English Level 2 credits including an external standard. Entry is at the discretion of the HOF

Credits available	
L3	AS
Internal	16
External	8
Total	24

13ENG

### ENGLISH

This is for students who love reading and writing. This course studies written and visual texts and allows you to examine the way the authors present ideas through a variety of lenses. We engage with Shakespeare, written and visual texts and deliver an oral presentation. This is a University approved course.

You should have 10 English credits at Level 2 including an external standard.

Credits available	
L3	AS
Internal	10
External	8
Total	18



13ENR

**ENGLISH ENRICHMENT**

This course is for students who wish to continue with English, but prefer the study of visual language. It will allow you to complete a series of writing, speaking and inquiry skills, using mainly visual texts. This course assesses using all achievement standards. This is a University approved course. Entry is at the discretion of the HOF

Credits available	
L2/L3	US
Internal	21
External	
Total	21

**ESOL COURSES**

14FOU1

**FOUNDATION ENGLISH**

This course focusses on developing English language skills while learning about New Zealand culture and using a variety of English texts. Vocabulary enrichment will include students' other subjects and their topics to provide support. Students will be assessed by both ESOL and Literacy standards. Entry is based on diagnostic testing at enrolment.

Credits available	
ESOL	13AS
L4 Literacy	12
Total	25

14FOU2

**FOUNDATION ENGLISH**

This course focusses on developing English language skills while learning about New Zealand culture and using a variety of English texts. Vocabulary enrichment will include students' other subjects and their topics to provide support. Students will be assessed by both ESOL and Literacy standards. Entry is based on diagnostic testing at enrolment.

Credits available	
ESOL	13AS
L4 Literacy	12
Total	25

14INT

**INTERMEDIATE ENGLISH**

This course further develops students' written and spoken language skills, with a focus on widening vocabulary to help them achieve in all their subjects. We use a variety of written and visual texts to prepare students for assessment by a range of Level 1 Achievement standards for their first contact with NCEA. You should have been successful in the Foundation class or entry can be based on diagnostic testing at enrolment.

Credits available	
L1	AS
Internal	14
External	8
Total	22

14LIT

**LITERACY (UE)**

This course is designed for Year 12 and 13 ESOL students looking for University Entrance and requiring more assistance with their language skills. We will use similar Achievement standards to 12ENG so you will study written and visual texts and complete a writing portfolio and reading responses. You should have 10 Level 1 English credits including at least one external or entry can be based on diagnostic testing at enrolment

Credits available	
L1/L2	AS
Internal	20
External	8
Total	28



# HEALTH AND PHYSICAL EDUCATION FACULTY

In Health and Physical Education, the focus is on the well-being of students, other people, and society, through learning in health-related and movement contexts.

## YEAR 12 COURSES

12PED

### PHYSICAL EDUCATION AND HEALTH

This is an enriching course offering students the ability to develop skills and knowledge of their own fitness and understand the importance of living a balanced and healthy lifestyle. Students will need to apply their knowledge in both practical and written contexts. Practical activities may include volleyball, adventure-based learning and turbo touch. In pairs, students will demonstrate their leadership skills by coaching junior students in a sport of their choice. All students will attend a 4-day outdoor high ropes course. This is a Star funded course and will not require payment from students. Entry to this course is at the discretion of the Head of Faculty – Ms Jobe.

Credits available		
L2	AS	US
Internal	15	9
External	0	
<b>Total</b>		<b>24</b>

12HEA

### HEALTH STUDIES

This course is for students who enjoy learning about health and well-being related contexts. This course looks at developing an understanding of influences, consequences and strategies when looking at topics such as issues related to sexuality and gender, interpersonal issues that place personal safety at risk, taking action to enhance well-being and managing change. Entry to this course is at the discretion of the Assistant Head of Faculty – Mrs Waka.

Credits available	
L2	AS
Internal	15
External	4
<b>Total</b>	<b>19</b>

## YEAR 13 COURSES

13PED

### PHYSICAL EDUCATION AND HEALTH

This Level 3 Physical Education course builds on the skills, knowledge and concepts taught at Level 2. While it is not essential, it is beneficial to have had previous experience at this level. A balance of both practical and theoretical work is required. Students will research a current event and analyse its impact on NZ society. They will also take action to promote physical activity and learn about lifelong well-being. All students will attend a week-long camp at Hillary outdoors and will experience high ropes, caving, kayaking, tramping and other exciting outdoor activities. A reduced payment will be required for this camp. This course is an approved University Entrance course.

Entry to this course is at the discretion of the Head of Faculty – Ms Jobe.

Credits available	
L3	AS
Internal	20
External	
<b>Total</b>	<b>20</b>

13HEA

### HEALTH STUDIES

This course is a continuation from Year 12 Health. It requires students to think critically and to challenge assumptions in a written context. While it is not essential, it is beneficial to have had previous experience at level 2. This course looks at developing an understanding of influences, consequences and strategies when looking at topics such as health practices in NZ, a contemporary ethical issue, an NZ health issue as well as an international health issue. It is for students who enjoy learning about health and wellbeing related contexts. This is an approved University Entrance course.

Entry to this course is at the discretion of the Assistant Head of Faculty – Mrs Waka.

Credits available	
L3	AS
Internal	14
External	5
<b>Total</b>	<b>19</b>

**This course (13HLS) is taken instead of a semester of study.**

13HLS

### HEALTHY LIFESTYLES (SEMESTER COURSE) you cannot take both 13PED and 13HLS as standards cross over.

This course is a continuation of Year 12 Healthy Lifestyles and requires self-management skills and goal setting. It is a practical course with some written requirements. Students will understand the importance of improving individual fitness levels by designing and following an exercise programme. This course is not an approved University Entrance course due to restricted standards.

Entry to this course is at the discretion of the Head of Faculty – Ms Jobe.

Credits available	
L3	AS
Internal	8
External	0
<b>Total</b>	<b>8</b>



# LANGUAGES FACULTY

Everyone benefits from learning languages. Communicating with people within and across communities, cultures and nations enables us to engage with new ways of thinking, questioning, and interpreting our world.

Students with more than one language enhance their employment and lifestyle opportunities. They are able to participate as citizens of a world in which many different languages are spoken and most people can use more than one language.

## YEAR 12 COURSES

**12FRE**

### FRENCH

In French, students learn to communicate in an additional language, develop their capacity to learn further languages and explore different worldviews in relation to their own. This course builds students' confidence to express and exchange ideas to establish real communication in French. Students will gain the skills to express opinions and to present facts and arguments on a range of topics such as relationships, trends, a film study, French-speaking countries. You will need to have 10 credits in NCEA Level 1 French or have a French language background.

Credits available	
L2	AS
Internal	14
External	10
<b>Total</b>	<b>24</b>

**12JAP**

### JAPANESE

In Japanese, students learn to communicate in an additional language, develop their capacity to learn further languages and explore different worldviews in relation to their own. This course builds students' confidence to express and exchange ideas to establish real communication in Japanese. Students will gain the skills to express opinions and to present fact and arguments on a range of topics such as describing events (for example Polyfest), comparing restaurants, and school life in New Zealand and Japan. As well this course can provide an opportunity to visit a Japanese restaurant (\$20) and to host students from our Japanese sister schools. A school trip to Japan is possible in the future. You will need to have 10 credits in NCEA Level 1 Japanese or equivalent or have an Asian language background.

Credits available	
L2	AS
Internal	14
External	10
<b>Total</b>	<b>24</b>

**12SAM**

### SAMOAN

In Samoan, students learn to communicate in Samoan language and explore aspects of Samoan culture in more detail through a range of contexts. This course builds students' confidence to express and exchange ideas to establish real communication in Samoan for both the colloquial and formal language. Students will gain the skills to express opinions and to present fact and opinions on a range of topics such as describing events (for example Polyfest), school life, or family life in New Zealand and Samoa. This course also provides an opportunity to experience the annual Samoa Independence day celebration as part of Samoan language week and the study of Samoan history (\$20) A school trip to Samoa is possible in the future. You will need to have 10 credits in NCEA Level 1 Samoan or equivalent or have a competent understanding of the Samoan language.

Credits available	
L2	AS
Internal	14
External	10
<b>Total</b>	<b>24</b>

**12TGN**

### LEA FAKA-TONGA

This course enables students to develop an understanding of cultural structures and functions of Lea Faka-Tonga in different settings and contexts. Students will be able to use their prior knowledge to write and speak in Lea Faka-Tonga. You will need to have credits in Level 1 Lea Faka-Tonga or have a proficient understanding of Lea Faka-Tonga.

Credits available	
L2	AS
Internal	9
External	10
<b>Total</b>	<b>19</b>



## YEAR 13 COURSES

**13JAP**

**JAPANESE**

In Japanese, students learn to communicate in an additional language, develop their capacity to learn further languages and explore different worldviews in relation to their own. This course develops students' confidence to communicate information, ideas, and opinions through increasingly complex texts. Students will gain the skills to explore the views of others, developing and sharing personal perspectives on a range of topics such as environmental issues, travel and tourism, and traditional and pop culture. This course can also provide an opportunity to visit a Japanese restaurant and to host students from our Japanese sister schools. This course is an approved UE course. You will need to have 10 credits in NCEA Level 2 Japanese or have an Asian language background.

Credits available	
L3	AS
Internal	14
External	10
<b>Total</b>	<b>24</b>

**13SAM**

**SAMOAN**

In Samoan, students learn to communicate in Samoan language and explore aspects of Samoan culture in depth through a range of contexts. This course develops students' confidence to communicate information, ideas, and opinions through increasingly complex texts. Students will gain the skills to explore the views of others, developing and sharing personal perspectives on a range of topics such as environmental issues, travel and tourism, and traditional and modern culture. This course also provides an opportunity to experience the annual Samoa Independence day celebration as part of Samoan language week and the study of Samoan history (\$20). This course is an approved UE course. You will need to have 10 credits in NCEA Level 2 Samoan or have a proficient understanding of the Samoan language.

Credits available	
L3	AS
Internal	14
External	10
<b>Total</b>	<b>24</b>

**13TGN**

**LEA FAKA-TONGA**

This course will cater for students who have completed Level 1 and 2 Lea Faka-Tonga and who are intending to gain further credits for entry into university and other tertiary Institutions. Students will be able to use Lea Faka-Tonga effectively to express and justify their own ideas and opinions. They will have the opportunity to further develop their communication skills in both oral and written Lea Faka-Tonga. You will need to have credits in Level 2 Lea Faka-Tonga or have a proficient understanding of Lea Faka-Tonga.

Credits available	
L3	AS
Internal	8
External	10
<b>Total</b>	<b>18</b>



# MATAURANGA MAORI FACULTY

The Faculty of Mātauranga Māori will be responsible for the delivery of Te Reo Māori (Māori Language), Tikanga Māori (Cultural Processes) and Nga Toi Whakaari (Cultural Performance). In addition to this, the Faculty of Mātauranga Māori will oversee initiatives which are designed to raise Māori Achievement across the whole school. We encourage open communication between teachers, learners and their whānau, on all or any aspects of the learning journey of Māori students.

## YEAR 12 COURSES

12TRM

### TE REO MAORI

This course consists of a study of Te Reo Māori being able to communicate about: future plans; offer and respond to advice, warnings and suggestions; expressing and responding to approval and disapproval, agreement and disagreement; offer and respond to information and opinions giving reason: read about and recount actual or imagined events in the past. Students will cover themes such as The History of Te Reo Māori, The Foreshore and Seabed debate, Kaitiakitanga, Te Reo Māori Language Revitalisation, Parihaka, Te Kingitanga and the Orakei Treaty Settlement.

Credits available	
L2	AS
Internal	16
External	12
<b>Total</b>	<b>28</b>

## YEAR 13 COURSES

13TRM

### TE REO MAORI

This course consists of a study of Te Reo Māori being able to communicate about: certainty and uncertainty, possibility and probability; developing an argument or point of view, with reasons; recount a series of events to inform, persuade or entertain, using the same information in different ways for different audiences; responding to a range of selected texts in te reo Maori across a range of written, spoken, visual and recorded literature forms. Students will cover themes such as Māori Broadcasting, Whānau Ora, Mokomokai, Māori Artefacts, Māori Statistical Data, Whaikorero, Karanga and Whakairo. This course is UE approved.

Credits available	
L3	AS
Internal	16
External	12
<b>Total</b>	<b>28</b>

## MULTI-LEVEL COURSES

14MPA

### MAORI PERFORMING ARTS

This course consists of a study of Māori Performing Arts being able to explain, justify and perform a range of disciplines. Students will cover themes such as the historical origins of Kapa Haka, the history of a selected Kapa Haka group, interview an elite composer and performer, the essentials of moteatea, haka, waiata a ringa, poi and waiata tira, preparing for a nationals competition and understanding the judging system.

Credits available	
	AS
Internal L1	10
Internal L2	18
Internal L3	22
<b>Total</b>	<b>N/A</b>

14TKM

### TIKANGA MAORI

This course consists of a study of Tikanga Maori being able to discuss explain, justify and perform a range of Tikanga practices. Students will cover themes such as Atua Māori, Te Wehenga, Māori Migration, Hui, Hahi Māori, Powhiri, Whakapapa, Maori Leaders, Hapu and Iwi past and present events.

Credits available	
	US
Internal L1	11
Internal L2	12
<b>Total</b>	<b>23</b>



14MWH

**MANA WAHINE**

This course consists of a study of Mana Wahine being able to discuss explain, justify and perform a range of Mana Wahine practices. Students will cover themes such as Preparation of a Wharenui and Marae for powhiri, Traditional Wahine Māori, Contemporary Wahine Māori changing roles, Wahine rongonui. Mana Wahine s a field of study.

Credits available	
	US
Internal L2	13
Internal L3	9
Total	22





# MATHEMATICS FACULTY

Mathematics at secondary school will give you the skills, understanding and confidence to use mathematics in everyday life. You will develop a variety of approaches to problem-solving, learn to discover patterns and relationships, interpret information and statistics and communicate your ideas using mathematical language.

There are courses that will prepare you to go on studying mathematics and courses to give you the mathematical skills and concepts needed to take a responsible role in our society.

## YEAR 12 COURSES

- Students may do any two of 12MAA, 12MAS & 12MAG
- Students who wish to do Year 13 Calculus must do 12MAA or gain Merit grade in the Algebra and Calculus Standards in 12MAS
- Students who wish to do Year 13 Mathematics and Statistics must do 12MAA or 12MAS

### 12MAA

#### MATHEMATICS ADVANCED

This course covers all the mathematics necessary for 13MAC and 13MAS. You will build on the Mathematics learnt at L1 and extend your thinking into new areas such as calculus. It includes algebra, graphs, co-ordinate geometry, equations, calculus and trigonometry.

Credits available	
L2	AS
Internal	11
External	9
<b>Total</b>	<b>20</b>

### 12MAS

#### MATHEMATICS AND STATISTICS

This course is for students who want to continue studying Mathematics with a view to L3 and university, but who are not so confident or interested in Algebra and Calculus. It covers all the mathematics necessary for Yr13 Mathematics and Statistics including as much Algebra and Calculus as is necessary for Statistics and Probability. Its main focus is probability and statistics.

Credits available	
L2	AS
Internal	10
External	9
<b>Total</b>	<b>19</b>

### 12MAG

#### GENERAL MATHEMATICS

This course is for students who achieved well in 11MAG and who wish to carry on with L2 Mathematics. It covers co-ordinate geometry, equations, trigonometry, probability and networks. It gives students a background in mathematics and a pathway to UE-approved 13MAG.

Credits available		
L2/3	AS	AS
Internal		13
External		4
<b>Total</b>		<b>17</b>

### 12MAP

#### PRACTICAL MATHEMATICS

This course is for students who wish to continue learning Mathematics at L2 but who do not have the prerequisites for 12MAG. It covers statistics, probability, networks, co-ordinate geometry and a budgeting US. This course will focus on gaining L2 credits.

Credits available		
L2	US	AS
Internal	3	9
External		
<b>Total</b>	<b>3</b>	<b>9</b>

## YEAR 13 COURSES

### 13MAG

#### GENERAL MATHEMATICS

This course is for students who were successful in 12MAG and who wish to continue in a UE-approved L3 Mathematics course. You will study Statistics, Equations, Probability and Linear Programming.

Credits available	
L3	AS
Internal	14
External	4
<b>Total</b>	<b>18</b>



**13MAC****MATHEMATICS WITH CALCULUS**

In Year 13 Calculus you will build on the Algebra, Calculus and Graphs studied in Year 12. A new concept, Complex Numbers will be introduced. Systems of Equations is an optional internal standard. This course is for students who were successful at a high level in Year 12 and who wish to study Engineering or Mathematics at university.

Credits available	
L3	AS
Internal	6
External	17
<b>Total</b>	<b>23</b>

**13MAS****MATHEMATICS AND STATISTICS**

This course is for students who were successful in Year 12 and who wish to continue Statistics and Probability at L3 with a view to university study. Students who were successful in 12MAA will be able to succeed in this course without the statistical background from L2.

Credits available	
L3	AS
Internal	10
External	8
<b>Total</b>	<b>18</b>



# PATHWAY FACULTY

The Pathways Programme involves a variety of experiences including classroom learning, student self-directed projects, taster courses, industry related field trips, one-day courses taught by external providers and work experiences through the Gateway Programme. The aim is to provide practical and work-related competencies required in today's ever-changing working environment. Students are encouraged to engage with their Teachers, Careers advisor, Gateway coordinator, External providers and work placement providers in order to make informed choices about their career pathway.

## YEAR 12 COURSE

**12PAT**

**PATHWAY**

This course introduces students to the world of work where they begin to develop an understanding of the skills needed both in the workplace and in their everyday life at home and school. Year 12 Pathways offers students Employment skills, Core generics, vocational and work-based education linked to NCEA. This Pathways course will be enhanced by incorporating learning around the preparedness to complete the learner licence and participation in the gateway programme, where some students have the opportunity to complete 10 days of industry-based learning experience.

Credits available	
L1	US
Internal	20
External	
<b>Total</b>	<b>20</b>

## YEAR 13 COURSE

**13PAT**

**PATHWAY**

This course prepares students for the world of work where they will develop their understanding of the skills needed both in the workplace and in their everyday life at home and school. Year 13 Pathways offers students Employment skills, Core Generics, vocational and work-based education linked to NCEA. This Pathways course will be enhanced by incorporating learning through Great Success and also the Gateway programme, where some students have the opportunity to complete 10 days of industry-based learning experience within a chosen company.

Credits available	
L2	US
Internal	20
External	
<b>Total</b>	<b>20</b>

## MULTI-LEVEL COURSE

**14CHC**

**CHILDCARE**

This course incorporates learning through NZ Plunket Education - ECE unit standards. Students will demonstrate knowledge and understanding of the developing child in a variety of contexts. Further learning will be enhanced through guided, practical sessions. Emphasis will be placed on the application of student's knowledge when working with young children.

Credits available		
L2/3 US	L2	L3
Internal	6	15
External		
<b>Total</b>	<b>6</b>	<b>15</b>



**This is not a timetabled class so do not choose it on your option form. You will need to apply to be part of this programme.**

## **GATEWAY**

Gateway is a structured work and learning experience programme designed to strengthen pathways for senior students from school to further education, training or employment. It offers supervised workplace education through individualised learning arrangements across a variety of industries and businesses. Gateway offers students aged 16 to 18 work experience in an organization or company for a period of 5 to 10 days, either one day a week or a number of consecutive working days during school holidays. Selected students get involved in an industry of their interest and learn about various tasks in the workplace. Good time-management, communication and team player skills, as well as organisational competencies and self-motivation, are beneficial to complete the programme successfully.

To participate in the Gateway programme please discuss the application process, your career aspirations and workplace availability with Mrs Sabbage. Suitable student applicants are interviewed and notified about the outcome of their application.

<b>Credits available</b>	
<b>L2/3</b>	<b>US</b>
<b>Internal</b>	<b>20</b>
<b>External</b>	
<b>Total</b>	<b>20</b>



# SCIENCE FACULTY

Learning in science is fundamental to understanding the world in which we live and work. Science finds patterns by making careful observations of the world around us. It helps people to clarify ideas, to ask questions, to test explanations through measurement and observations and to use their findings to establish the worth of an idea. Science makes an important contribution to the decisions which are shaping our world and the world of future generations.

## YEAR 12 COURSES

12AHS

### APPLIED SCIENCE

Science is a way of investigating, understanding and explaining our natural and physical worlds. By studying Science, students develop the knowledge, problem-solving and critical thinking skills needed to inform decision making at both an individual and societal level. In this course, you will cover key concepts from a wide range of Science disciplines in order to provide you with the background to understand everyday Science, prepare for the workforce or to choose further study pathways. The topics covered in 12 Applied Science will be chosen to meet the interests and needs of the students.

Credits available		
L1	US	AS
Internal	3	17-32
External		4
Total		17-36

12BIO

### BIOLOGY

The study of Biology seeks to explain the nature of living things and their inter-relationships, how evolution links life processes and ecology, and the impact that humans have on all forms of life. In this course, you will learn about key life processes such as photosynthesis, respiration, the function of enzymes and the cell cycle. We also look at how DNA provides the instructions for the growth, development and function of living things and the importance of variation for survival. Practical investigations and field trips will provide you with opportunities to experience how scientists learn more about living organisms and their inter-relationships. To take 12 Biology, you need to have achieved at least 12 credits in Level 1 Science with Merit in one external standard.

Credits available	
L2	AS
Internal	11
External	12
Total	23

12CHE

### CHEMISTRY

The study of Chemistry seeks to explain the fundamental principles of Chemistry with a focus on properties of matter and how it reacts. In this course, you will learn about atomic structure and bonding, organic chemistry and chemical reactivity. Practical work is an essential part of this course and it will develop your problem-solving skills. All the internal standards are practical assessments and in these, you will learn how to apply chemical principles, develop essential practical skills and proper laboratory technique. To take 12 Chemistry, you need to have achieved at least 12 credits in Level 1 Science with Merit in one external standard.

Credits available	
L2	AS
Internal	10
External	13
Total	23

12PHY

### PHYSICS

Physics is the study of matter, energy, and the interactions between them. In this course, you will learn about light and waves, motion and energy and electromagnetism. You will also be introduced to Atomic Physics, which lays the foundation for studying Quantum Physics in Year 13. As well the course includes research on the physics of sports and practical investigations. To take Year 12 Physics, you need to have achieved at least 12 credits in Level 1 Science with Merit in one external standard and be taking 12MAA or 12MAS.

Credits available	
L2	AS
Internal	10
External	16
Total	26

**This course (SBY) does not offer credits from the Science domain.**

12SBY

### SUSTAINABILITY (Cross-curricular)

This is an introduction to Sustainability which is a cross-curricular subject. If you are concerned about any of sea level rise, increasingly severe storms, air pollution, wildfires around the world, plastic in oceans, greenhouse gases, climate change, then this course is for you. It will teach you to analyse what is happening in a range of contexts, how it happened and what the solutions are. Many people believe that "environmental health is personal health". Change needs to happen at all sorts of levels and can start with you. To take Year 12 Sustainability, you need to have achieved at least 12 credits in Level 1 Science or Geography with Merit in one external standard.

Credits available	
L2	AS
Internal	13
External	8
Total	21



## YEAR 13 COURSES

**13AHS**

**APPLIED HEALTH SCIENCE**

This course provides an alternative pathway for students interested in careers in health and community services such as Nursing, Social Work, Community Support Workers, Rehabilitation Assistant, Aged Care, and Veterinary Nursing. It will include workplace experience and visits to relevant tertiary institutions. You will research a contemporary health issue in New Zealand and study human anatomy, health and wellness at different stages of life and mental health wellbeing. To take Year 13 Applied Health Science you need to have a strong interest in pursuing a health career and have taken a science in Year 12.

Credits available	
L3	US
Internal	22
External	
<b>Total</b>	<b>22</b>

**13BIO**

**BIOLOGY**

The study of Biology seeks to explain the nature of living things and their inter-relationships, how evolution links life processes and ecology, and the impact that humans have on all forms of life. In this course you will learn about how plants and animals respond to the living and non-living environment around them, the evolutionary processes leading to the formation of new species, and human biological and cultural evolution. As well you will learn about new advances in biotechnology, and carry out research into a socio-scientific issue. This course is an approved UE course. To take 13 Biology, you need to have achieved at least Merit in two externals and one internal Level 2 Biology standards.

Credits available	
L3	AS
Internal	9
External	13
<b>Total</b>	<b>22</b>

**13CHE**

**CHEMISTRY**

The study of Chemistry seeks to explain the fundamental principles of Chemistry with a focus on properties of matter and how it reacts. In this course, you will learn about organic chemistry, spectroscopy, thermochemical principles and acids and bases. Practical work is an essential part of this course and it will develop your problem-solving skills and proper laboratory technique. One of the internal standards is a practical Investigation and you will learn how to apply chemical principles and develop essential investigative skills. This course is an approved UE course. To take 13 Chemistry, you need to have achieved at least Merit in two externals and one internal Level 2 Chemistry standards.

Credits available	
L3	AS
Internal	10
External	15
<b>Total</b>	<b>25</b>

**13PHY**

**PHYSICS**

Physics is the study of matter, energy, and the interactions between them. In this course, you will learn about light and waves, motion and energy and electromagnetism as well as atomic and basic quantum physics. Practical investigations, a field trip to Rainbows End and research projects will provide you with opportunities to experience how scientists study physics in the real world. This course is an approved UE course. To take 13 Physics, you need to have achieved at least Merit in two externals and one internal Level 2 Physics standards and preferably be taking 13MAC.

Credits available	
L3	AS
Internal	10
External	16
<b>Total</b>	<b>26</b>

**This course (SBY) does not offer credits from the Science domain.**

**13SBY**

**SUSTAINABILITY (Cross-curricular)**

Sustainability is a cross-curricular subject that explores aspects of and interactions between environment, economy, culture, politics, and social organisation. In this course, you will learn about sustainability concepts and how to apply them in a variety of real-life situations. We need to learn how to live smarter to lessen our impact on the environment for future generations and to reduce and repair the impact of climate change. The knowledge and skills you learn can lead on to a range of careers and/or you can apply them to your own life. This is a UE approved course. To take 13 Sustainability, you need to have UE literacy and 14 credits in a Level 2 Science or Social Science subject.

Credits available	
L3	AS
Internal	15
External	5
<b>Total</b>	<b>20</b>



# SOCIAL SCIENCES FACULTY

The Social Sciences Faculty consists of a range of subjects which all centre on the world and the people in it. Students are challenged to thinking critically, whilst learning more about themselves, their values and the views they hold. They have the opportunity to study a wide range of subjects including Business Studies, Classical Studies, Cultural and Social Philosophy, Economics, Geography, History and Travel and Tourism. Most of our courses are open entry so that you can choose subjects you most enjoy and have a passion for. The Social Science faculty has a group of well qualified and experienced teachers who believe in supporting all students to achieve their personal best.

## YEAR 12 COURSES

**12BUS**

**BUSINESS STUDIES**

The study of business is about how people organise, plan, and act to create and develop goods and services to satisfy customers. This is influenced by cultural, ethical, environmental, political, and economic factors. This course will develop your understanding of business theory and practice and will look at topics like leadership, corporate culture, social expectations, technology changes and laws. Students will undertake market research, write a business plan and run their own business at a market day. This is an open entry course.

Credits available	
L2	AS
Internal	12
External	8
<b>Total</b>	<b>20</b>

**12CLS**

**CLASSICAL STUDIES**

Classical studies is the study of the classical world of Greece and Rome and how it helps us to understand ourselves in a bicultural society. This course consists of exploring community, cultural identity, values, and perspectives and think critically about human behaviour and relationships. As well this course is interdisciplinary: students engage with literature, art, history, religion, and philosophy. This is an open entry course but an interest in reading and writing is recommended.

Credits available	
L2	AS
Internal	10
External	10
<b>Total</b>	<b>20</b>

**12ECO**

**ECONOMICS**

Economics is the study of the choices people make about the use of limited resources to satisfy unlimited wants. It helps to explain and predict how goods and services will be produced and consumed. It will tell you who gets what, how, and why. This course will study the economic issues that all countries must address - how to improve employment and international trade, and control inflation, and what government policies can be used. Eg How can we improve our standard of living, will the changing exchange rate affect me? What are the economic impacts of hosting an event like the Rugby World Cup? This is an open entry course.

Credits available	
L2	AS
Internal	10
External	8
<b>Total</b>	<b>18</b>

**12GEO**

**GEOGRAPHY**

Geography explores the relationships between people and the natural and cultural environments. Geography is a useful subject for understanding how the world functions by developing literacy skills, critical analysis, and global citizenship. This course consists of four main internal topics; CSI Crime in Chicago, Spatial Analysis of crime patterns, Human Trafficking as a global humanitarian crisis, Coastal Processes at Muriwai Beach. The one external topic; The volcanic history of the TVC and how people have changed their use of the environment over time. There is a field trip to Muriwai Beach in Term 2. This is an open entry course.

Credits available	
L2	AS
Internal	14
External	4
<b>Total</b>	<b>18</b>

**12HIS**

**HISTORY**

History is the study of how people's lives have been affected by events in the past. History is a useful subject that helps to develop literacy skills, critical thinking and persuasive writing. It also helps us to understand change and why society is the way it is. This course consists of three main topics: The rise of Hitler, USA in the 1920s and the Russian Revolution. This is an open entry course, but an interest in reading and writing is recommended.

Credits available	
L2	AS
Internal	14
External	9
<b>Total</b>	<b>23</b>



12SOS

**SENIOR SOCIAL STUDIES (PHILOSOPHY)**

This course was formerly known as **Philosophy**. Philosophy is the study of culture and society, and why it is the way it is. In this course, we learn about society, and the ways people try and change the societies they live in. This is a full year course and is in two parts. In the first part, we focus on why contemporary society is the way it is. In the second part, we look at how and why people try and change their society or culture. This is an open entry course, but it will be helpful if you have taken 11 Senior Social Studies (Philosophy) and/or gained at least a merit endorsement in 11 English or History.

Credits available		
L1	US	AS
Internal	8	9
External		4
<b>Total</b>	<b>8</b>	<b>13</b>

12TOU

**TOURISM AND THE TRAVEL INDUSTRY**

Tourism is a practical subject that gives students real-world learning in New Zealand's largest industry. The subject offers standards that are directly relevant to students that are interested in the careers and opportunities within the tourism, travel and hospitality industry. By taking Tourism you will develop an understanding of the characteristics and needs of tourism, look at case studies on the world and national tourist destinations, and examine the business of tourism and the work roles within it. This is an open entry course. There is a field trip to ITC in Term 3.

Credits available	
L2	US
Internal	26
External	
<b>Total</b>	<b>26</b>

## YEAR 13 COURSES

13BUS

**BUSINESS STUDIES**

This course will provide an authentic and engaging life experience. Students will participate in the Lion Foundation Young Enterprise Scheme (YES). Students run their own business enterprise throughout the year and will become company directors who design, market and sell a real product or service of their choice. Alongside NCEA credits students will develop soft skills crucial for their future including creativity, critical thinking, problem-solving, communication, teamwork, time management and decision making. This course is an approved UE subject. You will need to have 14 credits or higher in L2 Economics or Business Studies or permission of Faculty Coordinator to take this course.

Credits available		
L3	AS	US
Internal	15	3
<b>Total</b>	<b>18</b>	

13CLS

**CLASSICAL STUDIES**

Classical Studies is the study of the classical world of Greece and Rome and how it helps us to understand ourselves in a bicultural society. This course consists of thinking critically about sources and examining values. The key concepts are Citizenship and society, Culture and identity, Empire and power, Conflict, Art and Heritage. Students will engage with literature, art, history, religion, and philosophy. This course is an approved UE subject and is open entry but a high level of interest in reading and writing is recommended.

Credits available	
L3	AS
Internal	12
External	10
<b>Total</b>	<b>22</b>

13ECO

**ECONOMICS**

Economics is the study of the choices people make about the use of limited resources to satisfy unlimited wants. It helps to explain and predict how goods and services will be produced and consumed. It will tell you who gets what, how, and why. This course covers macro and microeconomics. You will learn about current economic issues facing New Zealand and why the Government gets involved in our economy. This course is an approved UE subject. This is an open entry course.

Credits available	
L3	AS
Internal	10
External	10
<b>Total</b>	<b>20</b>

13GEO

**GEOGRAPHY**

Geography explores the relationships between people and the natural and cultural environments. It investigates the ways in which features are arranged on the earth's surface; the patterns and processes that create them. Geography is a useful subject for understanding how the world functions through developing literacy skills, critical analysis, and global citizenship. This course consists of four main internal topics: Planning significant events in Auckland, Auckland Traffic Congestion, Coastal process research focusing on Muriwai, and the global Blood Diamond trade. This course is UE approved. There is a field trip to Muriwai Beach in Term 2. This is an open entry course.

Credits available	
L3	AS
Internal	14
External	4
<b>Total</b>	<b>18</b>





13HIS

**HISTORY**

History is the study of how people's lives have been affected by events in the past. History is a useful subject that helps to develop literacy skills, critical thinking and persuasive writing. It also helps us to understand change and why society is the way it is. This course consists of three main topics: The Cold War, New Zealand in the 19th Century and Stalin's Russia. This is an open entry course but an interest in reading and writing is highly recommended.

Credits available	
L3	AS
Internal	15
External	10
<b>Total</b>	<b>25</b>

13SOS

**SENIOR SOCIAL STUDIES**

**This course is a continuation of the Philosophy programme.** Philosophy is the study of culture and society, and why it's the way it is. In this course, we learn about colonialism and imperialism and their impacts on the world - and especially on indigenous people. We study colonialism and the impact of empires and we look at how people have responded to the problems caused by colonialism and imperialism. This is an approved UE course. This is an open entry course, but it will be helpful if you have taken 12 Senior Social Studies (Philosophy) and/or gained at least a merit endorsement in 12 English or History.

Credits available	
L3	AS
Internal	12
External	8
<b>Total</b>	<b>20</b>

13TOU

**TOURISM AND THE TRAVEL INDUSTRY**

Tourism examines the operation of the travel industry in New Zealand, Australia, Europe and a Pacific Islands settings. This course is web based as students are required to find current information from industry sources. Students become proficient in searching, processing and communicating current travel information to demonstrate their knowledge of the operation of the travel industry and tourism geography. This is not a UE course. There may be opportunities for day courses worth credits throughout the year.

Credits available	
L3	US
Internal	30
External	
<b>Total</b>	<b>30</b>



# TECHNOLOGY FACULTY

Technology is the creative and purposeful use of human knowledge, skills and physical resources to solve practical problems. It involves developing objects, systems or environments. Technology is part of our daily lives, both at home and at work. Technology education develops a wide range of skills including problem-solving, design, construction, critical thinking, analysis, synthesis and evaluation.

## YEAR 12 COURSES

**12DVC**

### DESIGN AND VISUAL COMMUNICATION

Design and Visual Communication encompasses two different design disciplines of Spatial and Product which are best presented using any media or digital technologies. Spatial meaning designed space of Architecture, Interior, Landscape, Public and Private. Product design involves imagining and creating objects meant for mass production. This course consists of Architectural Design and Product Design using Designed Heritage, Design Principles, Designer Theory with Graphics practice skills of sketching, rendering, drawing, analysis, decision making whilst resolving a design brief. This course has visits from practising Architects, Designers and Career Industry related people. Possible trips are available within close proximity to AGGS. You will need to be able to project manage your time well. Sketching, Drawing, creative thinking and be able to problem solve are valuable skills.

Credits available	
L2	AS
Internal	13
External	3
<b>Total</b>	<b>16</b>

**12HOS**

### HOSPITALITY

Students will study food preparation and the service industry to a professional standard. This course is designed to enable students to gain skills in the catering and hospitality industries. It has a practical component so there will be a cost involved. This course is open entry.

Credits available	
L2	US
Internal	22
External	
<b>Total</b>	<b>22</b>

**12TCF**

### FOOD TECHNOLOGY

Food Technology is the study of food, nutrition and sustainable food practices. This is a highly academic course mostly theory based with a practical component. They apply knowledge while working through the technological process to develop a brief. This course follows on from Year 11 food technology and students need a good foundation in literacy and numeracy.

Credits available	
L2	AS
Internal	14
External	4
<b>Total</b>	<b>18</b>

**12TCT**

### TEXTILES TECHNOLOGY

Textiles Technology uses a range of materials to develop a brief. Students further explore, learn and apply knowledge to find creative solutions to problems, either conceptual or practical. Students will further develop their independent working and learning habits, their ability to think objectively and critically as well as develop their own style and skills. This course follows on from Year 11 Textiles and students need to have good project management skills.

Credits available	
L2	AS
Internal	16
External	4
<b>Total</b>	<b>20</b>

**12TDD**

### DIGITAL DESIGN TECHNOLOGY

Studying Digital Media Design enables you to develop applied digital skills, understand effective design and the elements of an interactive digital product combining multimedia that make it fit for purpose. You will manage your own project and have creative direction over the look and function of your design. Suitably qualified professionals with design skills and understanding of user experience are in short supply. This course prepares Year 12 students for 13TDD.

Credits available	
L2	AS
Internal	15
External	4
<b>Total</b>	<b>19</b>



## YEAR 13 COURSES

**13DVC**

**DESIGN AND VISUAL COMMUNICATION**

Design and Visual Communication encompasses two different design disciplines of Spatial and Product which are best presented using any media or digital technologies. Spatial meaning designed space of Architecture, Interior, Landscape, Public and Private. Product design involves imagining and creating objects meant for mass production. This course consists of Architectural Design and Product Design using Designed Heritage, Design Principles, Designer Theory with Graphics practice skills of sketching, rendering, drawing, analysis, decision making whilst resolving a design brief.

This course has visits from practising Architects, Designers and Career Industry related people. Possible trips are available within close proximity to AGGS. You will need to be able to project manage your time well. Sketching, Drawing, creative thinking and be able to problem solve are valuable skills.

Credits available	
L3	AS
Internal	12
External	4
<b>Total</b>	<b>16</b>

**13TCF**

**FOOD TECHNOLOGY**

Food Technology is the study of food, nutrition and sustainable food practices. This is a highly academic course mostly theory based with a practical component. They apply knowledge while working through the technological process to develop a brief. This course follows on from Year 12 food technology and students need a good foundation in literacy and numeracy.

Credits available	
L3	AS
Internal	14
External	4
<b>Total</b>	<b>18</b>

**13TCT**

**TEXTILES TECHNOLOGY**

Textiles Technology uses a range of materials to develop a brief. Students further explore, learn and apply knowledge to find creative solutions to problems, either conceptual or practical. Students will further develop their independent working and learning habits, their ability to think objectively and critically as well as develop their own style and skills. This course follows on from Year 12 Textiles and students need to have good project management skills.

Credits available	
L3	AS
Internal	16
External	4
<b>Total</b>	<b>20</b>

**13TDD**

**DIGITAL DESIGN TECHNOLOGY**

Studying Digital Media Design enables you to develop applied digital skills, understand effective design and the elements of an interactive digital product combining multimedia that make it fit for purpose. You will manage your own project and have creative direction over the look and function of your design. Suitably qualified professionals with design skills and understanding of user experience are in short supply. This course is an approved UE subject.

Credits available	
L3	AS
Internal	16
External	4
<b>Total</b>	<b>20</b>

