



MOUNT ALBERT GRAMMAR SCHOOL

SENIOR ACADEMIC GUIDE

2017



KEY DATES

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Wednesday 10 August 2016	6.30 - 8.00pm	Māori Pathways Evening for Māori parents and students
Thursday 11 August 2016	6.30 - 8.00pm	Pathways Evening for Year 10, 11 & 12 parents and students
Wednesday 17 August 2016	6.00pm	Pasifika Pathways Evening for Pasifika parents and students
Friday 26 August 2016		Final day for all Year 10, 11, 12 students to return their course option form for 2017 to Form Teachers

THE MAGS WAY

VALUES:

- Respect oneself.
- Aim for excellence.
- Value education.
- Be honest.
- Respect others.
- Respect property and the environment.

GUIDING PRINCIPLES:

- The MAGS way encompasses all individuals in the school community.
- The MAGS way is to guide all daily relationships between staff and students.
- The MAGS way is based on respect for others and the dignity of the individual.
- All individuals in the school have both rights and responsibilities as part of the MAGS Way.

SCHOOL CONDUCT CODE

ALL STUDENTS ARE EXPECTED TO FOLLOW THESE RULES:

- Each student should try to the best of his or her ability to do all the class work and homework that he or she is given.
- Students should follow all instructions that are given to them by a staff member or prefect.
- Each student should attend all his or her classes and should be on time for those classes.
- Every student should be dressed in the correct school uniform at all times.
- Every student has the right to be free from physical violence or verbal abuse from other students

SUBJECT INFORMATION

- This guide is a vital tool with regard to subject selection for 2017.
- This year the guide is an interactive document, which allows navigation quickly to any information required.
- The guide can be downloaded from the school website www.mags.school.nz under the heading 'Subject Information'.

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MESSAGE FROM THE HEADMASTER

I am pleased to present the Mount Albert Grammar School Academic Guide for 2017.

The pages that follow represent our core business as a school and will provide great support to students as they chart their academic pathways in the time ahead.

Our school community is proud of the outstanding academic success that is currently being enjoyed by the young people of our school. Academic results from recent years consistently place MAGS as a top performing school nationally in NCEA and New Zealand Scholarship. This success is a reflection of the partnership between school and the home – high quality teaching and courses of learning supported by the strong work habits of our students – a recipe which guarantees students will reach their academic potential.

I commend this booklet as a valuable tool in deciding courses of learning for next year and beyond, and I thank those that have brought this publication together. Please use the information within to open the door to further discussions with teachers and other staff about choosing the most appropriate academic options.

I encourage students to ask questions about curriculum pathways – and, most importantly, to follow their passion when choosing their course of study.

All the best for your academic journey.

Patrick Drumm
Headmaster

INTRODUCTION

Our students and their parents/caregivers have to make very important decisions about which academic courses to study. MAGS is determined to make this decision-making process as informed as possible. This Academic Course booklet is designed to assist you in this process and be a key tool to providing you with the information you need.

This booklet covers all subjects offered to students from years 11 to 13. It allows you the opportunity to plan by following the pathway each subject takes through the year levels.

Subjects: Students study 6 subjects at Year 11 and Year 12 and 5 subjects in Year 13.

Prerequisites: It is important to note that many subjects can only be taken if previous subject success has been achieved. There is a significant change of focus for students from Year 11 onwards. Students must gain entry to the next course. Entry into each course is determined by prerequisites that are unique to that course.

If the subjects chosen are seen as inappropriate or inaccessible for some students, Deans will interview students to discuss the matter, and contact parents, if required (refer to the prerequisites summary on pages 13-28).

The Course Selection Process for next year is explained on page 11.

WHO TO SEEK ASSISTANCE FROM: KEY STAFF

Headmaster – Mr P Drumm

Associate Principal – Mr P McKinley

Mr McKinley is in charge of the day-to-day operation of the school and responsible for **Junior Boys**.

Deputy Principal	Year 13	Ms C Horne
Deputy Principal	Year 12	Mrs F Barker
Deputy Principal	Year 11	Ms S Hayat
Deputy Principal	Junior Girls	Ms J Williams
Deputy Principal	Assessment/NZQA	Mr M Rivalland
Deputy Principal	Director of School House	Mr C Metcalfe

The Deputy Principals will be able to give you help, advice and guidance during your time at Mount Albert Grammar School.

Director of International Students Ms J Lydia
Ms Lydia looks after overseas fee-paying students

Director of Sport Mr D Long
Mr Long is responsible for the coordination of all sports within the school

Director of E-learning Mrs E Goddard
Mrs Goddard is responsible for all the e-learning initiatives in the school

Director of Guidance Mr P Ferner
Mr Ferner is responsible for the pastoral side of the school

Guidance Counsellors Mrs M O'Carroll
Mrs R Weeks
Ms M Wilson

If you have any personal problems, problems with other students or are concerned about anything going on at school, you can make an appointment at the Student Support Office to see one of the counsellors.

Pacific Island Liaison Officer Mr A Taulapiu
If you have any personal problems, problems with other students or are concerned about anything going on at school, you can make an appointment at the Student Support Office.

Careers Adviser Mr Kubi Witten-Hannah
The Careers Adviser can give you advice on the most suitable subjects to take for particular jobs or entrance requirements for tertiary study. The Careers Centre is in the Maurice Hall Building (D Block). You can book an appointment at any time.

Heads of Department

Art History (Teacher in charge)	Ms André Sampson
Careers	Mr Kubi Witten-Hannah
Classical Studies	Mr G Cave
Commerce	Ms S Hayes
Dance	Ms J Cesan
Drama	Dr L McGregor
English Language	Ms P Godber
English	Ms A Mason
Geography	Mr C Adam
Health	Ms J Lythe
History	Ms O Markham
Food Technology	Mrs M Sood
Languages	Ms H Selaries
Learning Support	Mrs P Drake
Mathematics	Mr A Sangster
Media Studies	Mr S Allen
Music	Mrs M Zjajic-Moon
Outdoor Education	Mr D Whitehead
Physical Education	Mr M Dempster
Science	Ms A Whitlam
Social Science	Mrs C Cato
Technology	Mr T van Zyl
Te Tari Māori	Ms W Paul
Visual Arts	Mrs D Aleh

Heads of Department will be able to give advice about what is involved in a course of study and how best to achieve positive results in that course.

Deans for 2016

Academic Dean	Mr W Gibbs
Associate Academic Dean	Mr G Cave
Year 13	Ms V Anisi
Year 13	Mr A Belson
Year 12	Ms K McColl
Year 12	Mr K Baker
Year 11	Ms N Absolum
Year 11	Mr G Smith
Year 10 Boys	Mr G Hodges
Year 10 Girls	Mrs S Mackinlay-Milne
Year 9 Boys	Mr G Urquhart
Year 9 Girls	Ms G Leaso

Deans will help with your course. See them if you have any problems with schoolwork, or with other students.

NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT (NCEA)

How NCEA Works

New Zealand's qualification for school learners is the **National Certificate of Educational Achievement (NCEA)**.

NCEA is a qualification on New Zealand's Qualifications Framework (NQF).

It sits alongside more than 800 other national qualifications used throughout tertiary education and industry training.

- **NCEA is achievement based.** National **standards** have been set in each area of learning. When students achieve these standards they earn **credits** towards their NCEA qualification.
- The NQF contains two types of national standards: **Achievement Standards** and **Unit Standards**. Credits from all Achievement Standards and Unit Standards count towards NCEA.
- NCEA is a standards-based qualification. This means that standards of performance have been established for all work done by students that need to be assessed or tested.
- There are two types of assessment conditions:
 - **Internal Assessment**
 - **External Assessment**

Achievement Standard (AS)

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 done by subject teachers throughout the year. Some internal assessment occurs within school exams.

Achievement Standards are assessed as follows:

Achieved with Excellence	E
Achieved with Merit	M
Achieved	A
Not Achieved	NA

Unit Standards (US)

- 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 mostly shown as 'Achieved' or 'Not Achieved'.

All internal assessments (whether they are Achievement or Unit Standards) are **moderated** to ensure that the marking is accurate, consistent and fair.

How do students complete a qualification?

There are three levels to NCEA qualifications. The requirements for each level follow:

Level 1

80 credits from any level, including 10 literacy and 10 numeracy credits.

Level 2

80 credits total: including 60 credits from Level 2 or higher. Plus 20 credits from Level 1 or higher.

NB Level 1 Literacy and numeracy requirements must also have been met.

Level 3

80 credits total: including 60 credits from Level 3 or higher. Plus 20 credits from Level 2 or above.

NB: Level 1 Literacy and numeracy requirements must also be met. There is a University entrance requirement in order to gain entry into many Tertiary courses (see University Entrance criteria).

Other NCEA Facts

Endorsement of Level Certificates

Students are able to gain NCEA certificates with **merit** or **excellence**. The more merit and excellence grades they achieve the better the endorsement. Students need at least 50 credits at merit or excellence to gain level endorsement.

Endorsement of Courses

Course endorsement will provide recognition for students who perform exceptionally well in individual courses. Students will be able to have their strengths in individual courses recognised with a course endorsement at **merit or excellence** level. The key objective of course endorsement is to motivate students to achieve their potential in one or more courses.

Students will gain an endorsement for a course where they achieve:

1. 14 or more credits at Merit or Excellence at the lower level that supports endorsement.
2. at least 3 credits from externally assessed standards and 3 credits from internally assessed standards,
3. sufficient credits in a single school year.

Note: Physical Education and Level 3 Visual Arts are exempt from 2 above.

Quality of Credits is Important

Note: It is really worth striving to get Merit and Excellence grades to get extra recognition. Employers and tertiary institutions now consider how well you have achieved rather than just the number of credits gained.

Reporting Results

The **Record of Achievement** records only those standards that have been achieved. This is issued in April. Students also receive a separate Results Notice in January, if they request this via their NZQA learner log-in.

School-leavers will also receive a **School Results Summary**, which will list every standard attempted by students during their time at school, and what result they achieved. This will include 'not achieved' results.

NZQA Learner Log-in

Once the school has sent your first lot of entry data to NZQA, you will be able to see these results by logging into your learner homepage on the NZQA website. Your NSN (National Student Number) will enable you access to this area. Here you will be able to check all entries (both internal and external) including internal results submitted to NZQA by the school, as well as access your external results in January of the following year. You are also able to order any documents, such as Certificates or Records of Achievement via this link:

<https://secure.nzqa.govt.nz/for-learners/records/login.do>

ASSESSMENT INFORMATION

All students in Years 11, 12 and 13 will be doing some school-based assessment as part of internal assessment for NCEA - Achievement Standards and/or Unit Standards.

School-based assessment places special demands upon both staff and students and it is important that students are aware of their responsibilities under this system.

STUDENTS CAN EXPECT FROM THEIR SUBJECT TEACHERS:

- A Subject Course Outline Guide detailing the types and dates of assessments for each subject.
- The Guide to Assessment Procedures and Regulations for students and parents that spells out the school-wide procedures for assessment
- Notification in class of upcoming assessments. This notification should be given at least two weeks before an assessment occurs.
- Indicators from their teacher of how well they are proceeding when assessment occurs over a long period of time (eg several weeks). These are generally referred to as checkpoints.

SUBJECT TEACHERS CAN EXPECT FROM THEIR STUDENTS:

- Work handed in on time.
- Work handed in late without reason will be awarded a “**not achieved**” grade. All project-type assessments will be handed in **by 3:30pm on the due date**.
- If the deadline cannot be met, the student should see Mr Rivalland the Deputy Principal in charge of Assessments **before** the due date. Evidence will need to be produced to show why the deadline was unable to be met, eg a medical certificate.
- The work handed in must be your own. You may be asked to produce **evidence that it is authentic**.

MISSED ASSESSMENTS:

- If an assessment is missed see the Deputy Principal in charge of Assessments **as soon as possible**.
- Written evidence must be produced to support your absence. A note from your parents is **NOT** enough. If you cite medical reasons for missing an assessment you will need a **medical certificate** for any illness or injury.
- If an assessment is missed you may be unable to get credit even if you have a good reason.

APPEALS:

- If you believe you have been treated unfairly, discuss your concerns with the subject teacher first.
- If you are still concerned, talk to the relevant Head of Faculty.
- If you still believe you have been treated unfairly, then see the Deputy Principal in charge of assessments.
- You must have first discussed your concerns with your teacher and the Head of Faculty.
- Students need to be fully aware of the conditions under which extensions are given.

LEVEL 1 LITERACY AND NUMERACY

A student's report will indicate how they achieved their literacy and numeracy requirement, whether through unit standards or achievement standards.

Literacy is defined as "the written and oral language people use in their everyday life and work. It includes reading, writing, speaking and listening. Skills in this area are essential for good communication, active participation, critical thinking and problem solving."

Numeracy has been defined as "the bridge between mathematics and daily life. It includes the knowledge and skills needed to apply to everyday family and financial matters, work and community tasks."

Literacy and Numeracy Achievement Standards:

It has now been recognised that English, Te Reo Māori and Mathematics are not the only subjects where a student can prove they are literate and numerate. New achievement standards which will meet the requirements are in the following subjects. Note that the new achievement standards are assessed against Level 6 of the New Zealand Curriculum.

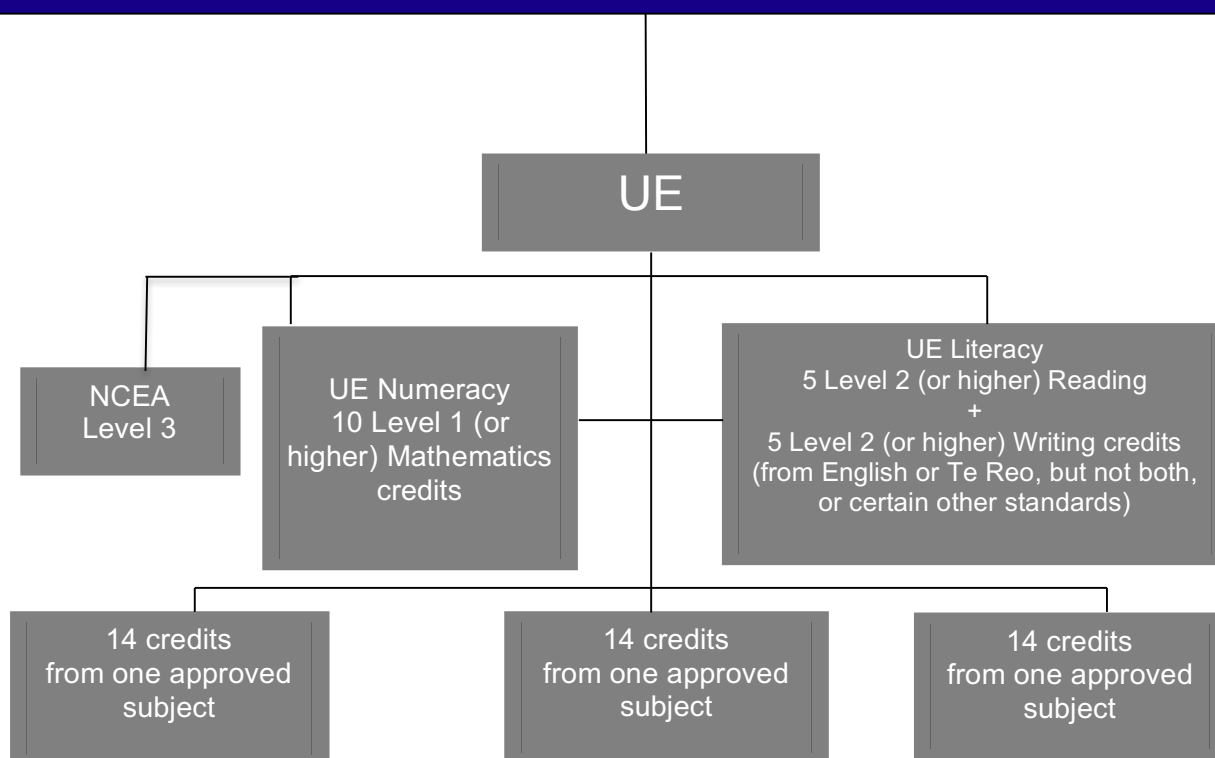
Subject	Literacy	Numeracy
Accounting	Yes	
Horticultural Science	Yes	Yes
Biology	Yes	
Business	Yes	Yes
Chemistry	Yes	Yes
Dance	Yes	
Drama	Yes	
Economics	Yes	
English	Yes	
Geography	Yes	Yes
Health	Yes	
History	Yes	
Mathematics		Yes
Music	Yes	Yes
Physical Education Performance	Yes	
Physics	Yes	Yes
Science	Yes	Yes
Te Reo Māori	Yes	
Visual Arts	Yes	

The individual standards within these subjects are clearly labelled under a column headed 'LIT' for literacy and 'NUM' for numeracy in a column on the table for each course.

For a full list of available Level 1 standards see:

<http://www.nzqa.govt.nz/qualifications-standards/qualifications/ncea/subjects/literacy-and-numeracy/level-1-requirements/>

UNIVERSITY ENTRANCE 2017



REQUIREMENTS FOR NCEA CERTIFICATES

Level 1 – 80 credits at any level, including literacy and numeracy requirements
Level 2 – 80 credits – a minimum of 60 of them at Level 2 or above and Level 1 literacy and numeracy requirements
Level 3 – 80 credits – a minimum of 60 of them at level 3 or above and 20 credits from Level 2 or above and Level 1 literacy and numeracy requirements

UNIVERSITY APPROVED SUBJECTS

To view the current University Approved subjects go to:

<http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/approved-subjects-for-university-entrance/>

University Approved subjects offered at Mount Albert Grammar School are clearly identified in the subject tables that follow with the course descriptors.

COURSE SELECTION PROCESS

Important Information for 2017 Course Selection

Make sure you choose your courses carefully. You may not be able to change courses later especially if those courses are full. When choosing courses think of the following:

- ❖ Choose courses you enjoy.
- ❖ Choose courses in which you think you will do well.
- ❖ Choose courses that are important in relation to career areas that interest you.
- ❖ Choose courses that ensure you meet university or other course entry criteria.
- ❖ Make sure you discuss your choices with your parents/guardians as they will need to sign your Option Form.

KEY DATES:

Wednesday 10 August 2016 – 6.30 - 8.00 pm
Māori Pathways Evening (introducing Academic Guide) for Māori parents and students

Thursday 11 August 2016 – 6.30 pm
Pathways Evening (introducing Academic Guide) for Year 10, 11, and 12 parents and students

Wednesday 17 August 2016 – 6.00 pm
Pasifika Pathways Evening (introducing Academic Guide) for Pasifika parents and students

Friday 26 August 2016
Final day for all Year 10, 11, 12 students to return their course option form for 2017 to Form teachers

COURSE CODES

The Academic Guide has used codes to describe courses that are offered, eg English (EN1), Mathematics (MT1).

The key to the codes is as follows:

S = Scholarship. A course that leads to the Scholarship Award

A = Accelerate course. At least 1 level above age. AS only.

E = Enriched course. 1 level above age in some standards. Endorsable

1 = A course with internally and externally assessed achievement standards between 18 - 24 credits

Endorsable

2 = A course with fewer internally and externally assessed achievement standards (between 14 – 17 credits)

Endorsable

3 = Internally assessed course with mainly achievement standards

Not course Endorsable but credits count for NCEA

4 = An internally assessed course with Unit Standards

Not course Endorsable but credits count for NCEA

L = An ESOL course for speakers of English as another language

COURSE SELECTION – YEARS 11, 12, 13

YEAR 11

In Year 11 all students will be studying **six** courses. Each subject will offer between 18 and 21 credits (our code 1) or a lesser number of credits between 14 and 17 (our code 2, 3 or 4). Most students will be studying at Level 1 of the National Qualifications Framework. Many courses will have an exam at the end of the year. Some courses have an internal assessment component where the school assesses the students' work. A few courses (e.g. Building Skills and Mechanical Engineering courses) are entirely internally assessed.

All students must study English and Mathematics. Science is highly recommended and students are encouraged to study at least one Science subject. Students considering their course for Year 11 should think ahead to their courses in Years 12 and 13 so that they keep their course options open. It is better to have a broad range of courses rather than to specialise too early. Look carefully at the prerequisites for entry into Year 11 courses.

YEAR 12

In Year 12 students choose **six** courses. Most subjects will offer between 18 and 21 credits, although some will offer fewer credits. Every student must study an English course. Some students in Year 12 will be involved in multi-level study. Look carefully at the prerequisites for entry into Year 12 courses.

Some courses also enable students to attain certificates useful for certain vocational areas. Students are advised to carefully consider their selections to ensure that they have included pathways to Year 13 courses in their choice.

YEAR 13

At Year 13 all students choose **five** courses. Each subject will offer between 21 and 24 credits. Some students in Year 13 will be involved in multi-level study. Entry into a Year 13 course is at the discretion of the Headmaster. Most year 13 students will be working at Level 3 of the National Qualifications Framework. Some courses also enable students to attain certificates useful for certain vocational areas. Students who are considering university study should take five Level 3 NCEA courses. Look carefully at the subject flowchart (refer pages 13-28)

Note:

Students wishing to study at a university in the future must ensure their programme of study enables them to meet the stated entry criteria. Students taking 3 or more alternative courses will not be able to meet these entry criteria (ie courses not on the University Approved Subject List see page 11).

THE SCHOLARSHIP AWARD

SCHOLARSHIP:

Academically able students, who have consistently achieved at a high level, will be strongly encouraged to enter Scholarship subjects.

How Scholarship works:

Scholarship is an external examination for the very top secondary students. Candidates usually enter in Year 13, their last year of schooling. Scholarship examines course material related to Level 3 standards derived from up to Level 8 of the New Zealand Curriculum that students study in Year 13, however, the skills and understanding required to meet Scholarship criteria are considerably more advanced. Scholarship requires students to demonstrate high-level critical thinking.

- Scholarship requires high-level abstract thinking and the application of knowledge and ideas to complex situations. It is for the most able students in each of the Scholarship subjects.
- The intention is that 3% nationally of the total number of Year 13 level 3 students in each subject studying for 14 credits or more will get Scholarship, as long as Scholarship standards are met.
- Scholarship results are released later than other NZQA exams - usually February.
- Please note - Scholarship is not a qualification, but rather a monetary award. Students receive payments ranging from \$500 (for a single subject scholarship) to \$30,000 paid over 3 years for a Premier Award.

If you think you have the ability to sit scholarship in one or more subjects, you should discuss the requirements with your teachers. While Scholarship entry does mean extra work and commitment, you will get support and assistance via Scholarship tutorials and or other support offered by the teacher(s) in charge of Scholarship in each subject area.

An NZQA fee of \$30.00 per Scholarship subject applies.

NCEA RANKING FOR ENTRY TO THE UNIVERSITY OF AUCKLAND

For admission to the University of Auckland applicants must gain University Entrance or enrol in a Foundation Course. Each degree programme also has a guaranteed entry rank score. Some courses also require credits from particular subjects, a portfolio, an audition or an interview.

The guaranteed entry rank scores are calculated by adding up points for the best 80 credits at Level 3 or higher across the student's best 5 Approved Subjects (see page *). A maximum of 24 credits may be counted from any one subject.

1. Each credit at Excellence is worth 4 points
2. Each credit at Merit is worth 3 points
3. Each credit at Achieved is worth 2 points (this includes credits gained for Unit Standards at Level 3 in Approved Subjects)

For example:

a student with an excellence average will have 320 points

a student with a merit average will have 240 points

a student with an achieved average will have 160 points

Currently the highest rank score required is 280 points for Biomedical Science and the lowest rank score required is 150 points for a range of degrees including a Bachelor of Arts.

Rank scores only indicate the entry requirement not the difficulty of the course.

If there are additional places students with less than the guaranteed entry score may be admitted to a course after individual consideration.

Please note that the University of Auckland has announced an extra English requirement for unconditional enrolment from 2016. The intention is that students who do not have at least 17 credits in Level 2 and/or 3 English (or higher) would be enrolled on a conditional basis, and required to pass an academic English language course specified by your faculty during your first year of study. Students who achieve UE literacy through Te Reo Maori will not be required to meet the Academic English Language Requirement.

ENTRY REQUIREMENTS TO THE UNIVERSITY OF AUCKLAND	
For University Programmes that refer to Table A and / or Table B, use this table	
Table A	Table B
Classical Studies	Accounting
English	Biology
Geography	Chemistry
History	Economics
History of Art	Calculus
Te Reo Māori or Te Reo Rangatira	Statistics
	Physics
	* Mathematics

* Cannot be used in combination with Calculus or Statistics.

In addition to the NZQA University Entrance requirement, each university or tertiary institution has specific entry standards (at a level which is higher than the basic UE) for some or all of their degree programmes.

Detailed information about these can be accessed on the relevant web sites:

www.auckland.ac.nz	www.aut.ac.nz	www.unitec.ac.nz
www.mit.ac.nz	www.waikato.ac.nz	www.massey.ac.nz
www.victoria.ac.nz	www.canterbury.ac.nz	www.otago.ac.nz

ARTS FACULTY – COURSES AND PREREQUISITES 2017

9AR1 Visual Art



10AR1 Visual Art



11PN1 Painting

All units passed in Year 10 Art with 'Achieved' or better. **NB: Students may only take one Year 11 Art Course**

11PH1 Photography & Design

Entrance is Merit based i.e. students with higher grades have preference. All units passed in Year 10 Art with 'Achieved' grade or better OR HOD approval with portfolio submitted before Week 10 of Term 3



12AH1 Art History

At least 4 externally assessed Achievement Standard credits and at least 7 more Achievement Standard credits in Level 1 English (11EN1) or History, totalling 11 credits

12AR1 Printmaking & Sculpture (Visual Art)

16 credits in Level 1 Painting (11PN1) or Level 1 Photography & Design (11PH1) OR HOD approval after portfolio submitted before the end of Term 3

12PN1 Painting

16+ credits in Level 1 Painting (11PN1) or Level 1 Photography & Design (11PH1), OR HOD approval (with portfolio) gained before end of Term 3

12DS1 Design

16+ credits in Level 1 Painting (11PN1) or Level 1 Photography & Design (11PH1) OR HOD approval after portfolio submitted before the end of Term 3

12PH1 Photography

16+ credits in Level 1 Painting (11PN1) or Level 1 Photography & Design (11PH1) OR HOD approval with portfolio submitted before the end of Term 3



13AH1 Art History

14+ credits in Level 2 Art History (12AH1) OR at least 14 credits in Level 2 English (12EN1) OR at least 14 credits in Level 2 History (12HI1) OR at least 14 credits in Level 2 Classical Studies (12CS1) **NB:** 6 of these credits must be from external achievement standards OR HOD approval



13AR1 Printmaking & Sculpture (Visual Art)

8+ credits in Level 2 Visual Art (12AR1) or L2 Painting 12PN1 or L2 Design (12DS1) or L2 Photography (12PH1) OR HOD approval with portfolio submitted before the end of Term 3



13PN1 Painting

20+ credits in Level 2 Painting (12PN1) OR HOD approval with portfolio submitted before week 10 of Term 3



13DS1 Design

16+ credits in Level 2 Design (12DS1) OR HOD approval with portfolio submitted before Week 10 of Term 3



13PH1 Photography

20+ credits in Level 2 Photography (12PH1) OR HOD approval with portfolio submitted before week 10 of Term 3

CAREERS FACULTY – COURSES AND PREREQUISITES 2017

12AP4 Aspire

For students who have yet to achieve
NCEA Level 1

12GW4 Gateway

Achieved Level 1 NCEA (or approximately 70 credits)
Selection through application and interview with HOD or Gateway Coordinator

CLASSICAL STUDIES – COURSES AND PREREQUISITES 2017

12CS1 Classical Studies

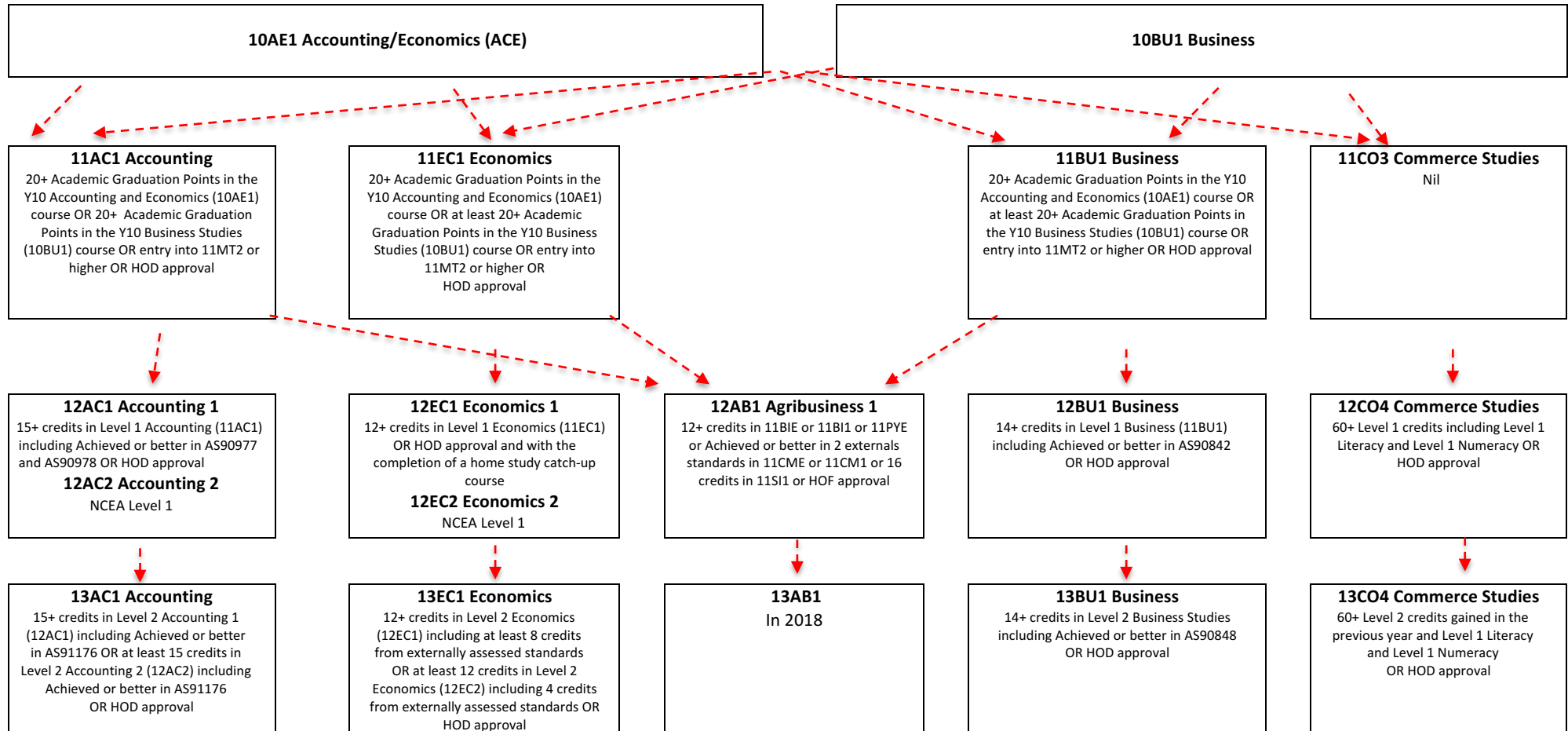
12+ Level 1 English reading and/or writing credits
OR 8 Level 1 English reading and/or writing credits plus 8 Level 1 History credits
OR HOD approval



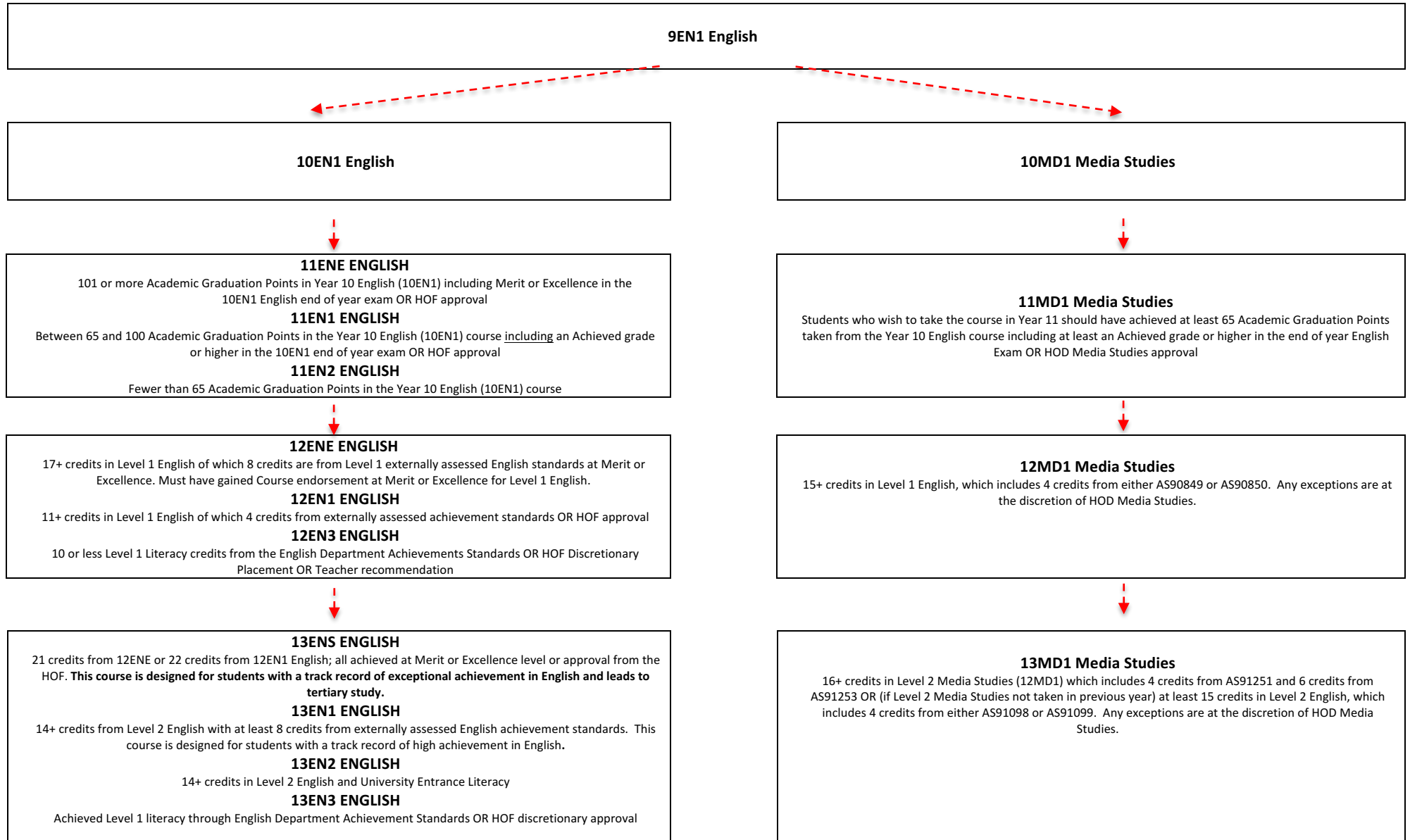
13CS1 Classical Studies

12+ credits in Level 2 Classical Studies (12CS1) OR 12 Level 2 English reading and/or writing credits
OR 8 Level 2 English reading and/or writing credits plus 8 Level 2 History credits
OR HOD approval

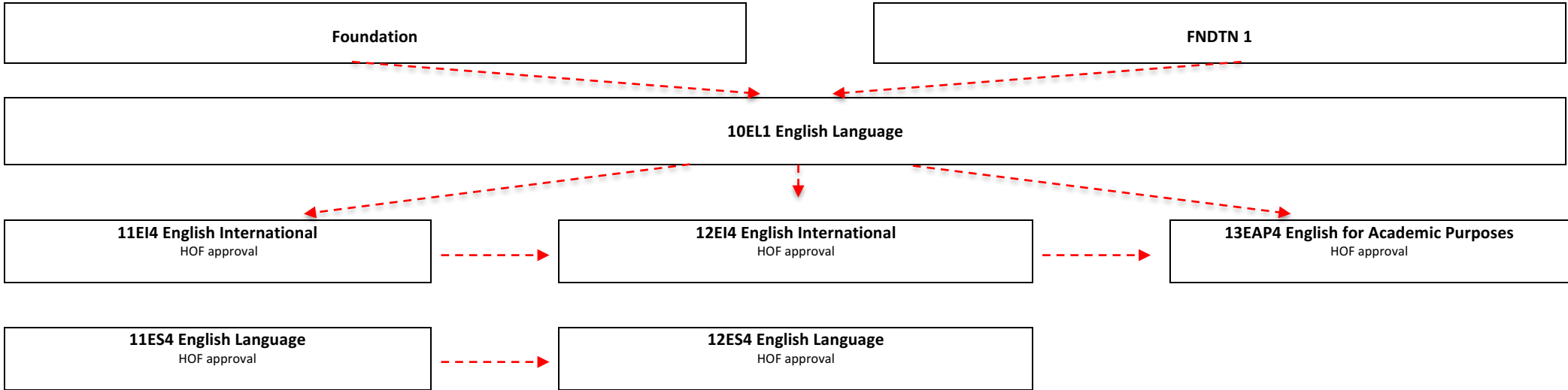
COMMERCE FACULTY – COURSES AND PREREQUISITES 2017



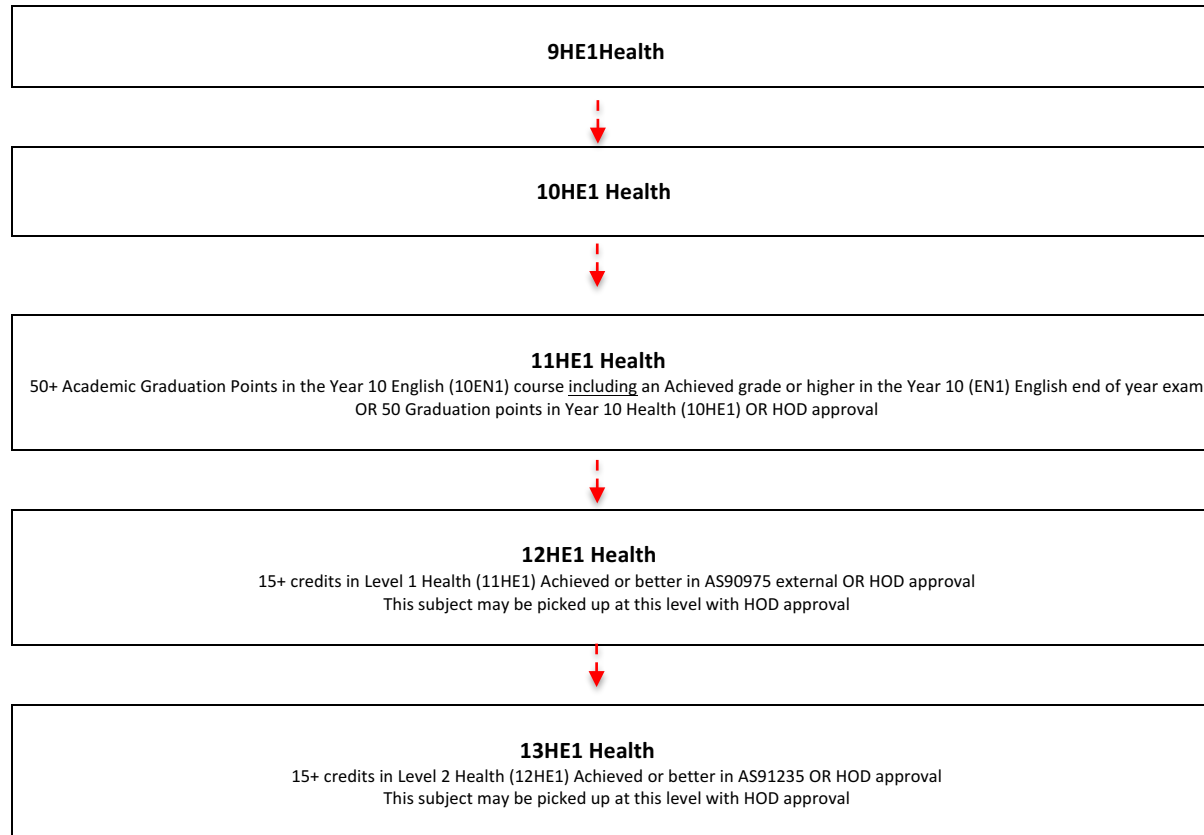
ENGLISH FACULTY – COURSES AND PREREQUISITES 2017



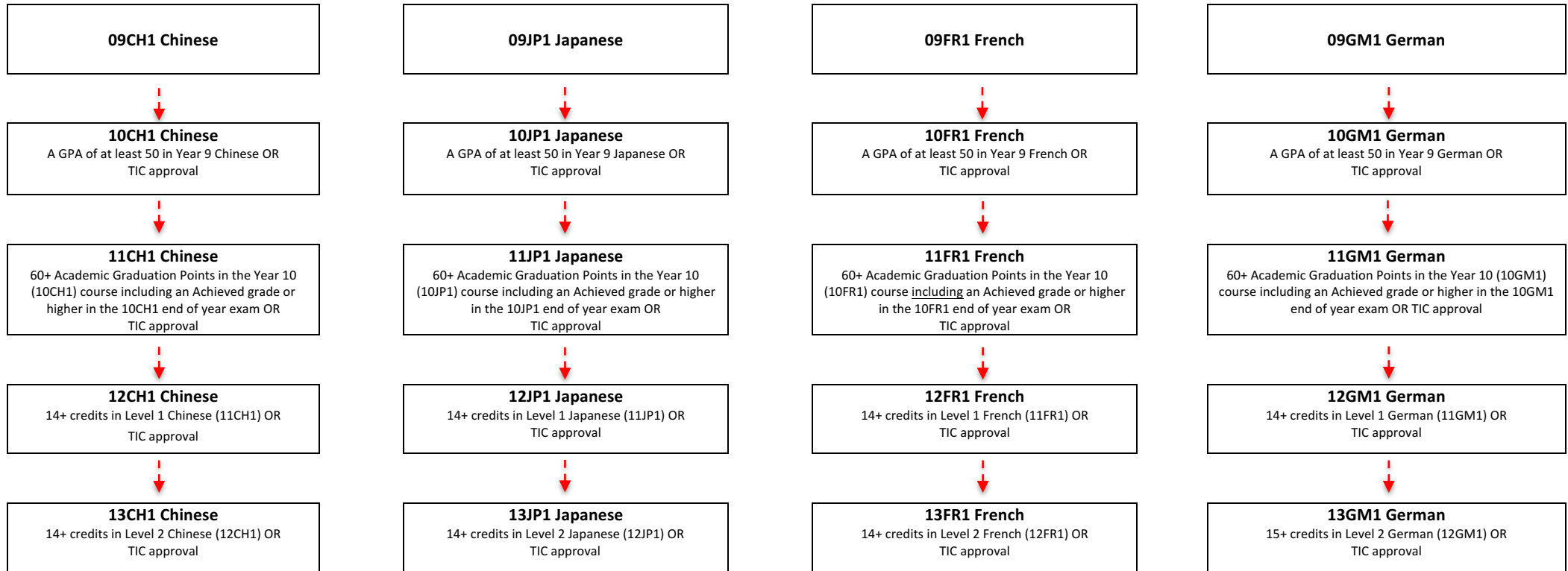
ENGLISH LANGUAGE FACULTY – COURSES AND PREREQUISITES 2017



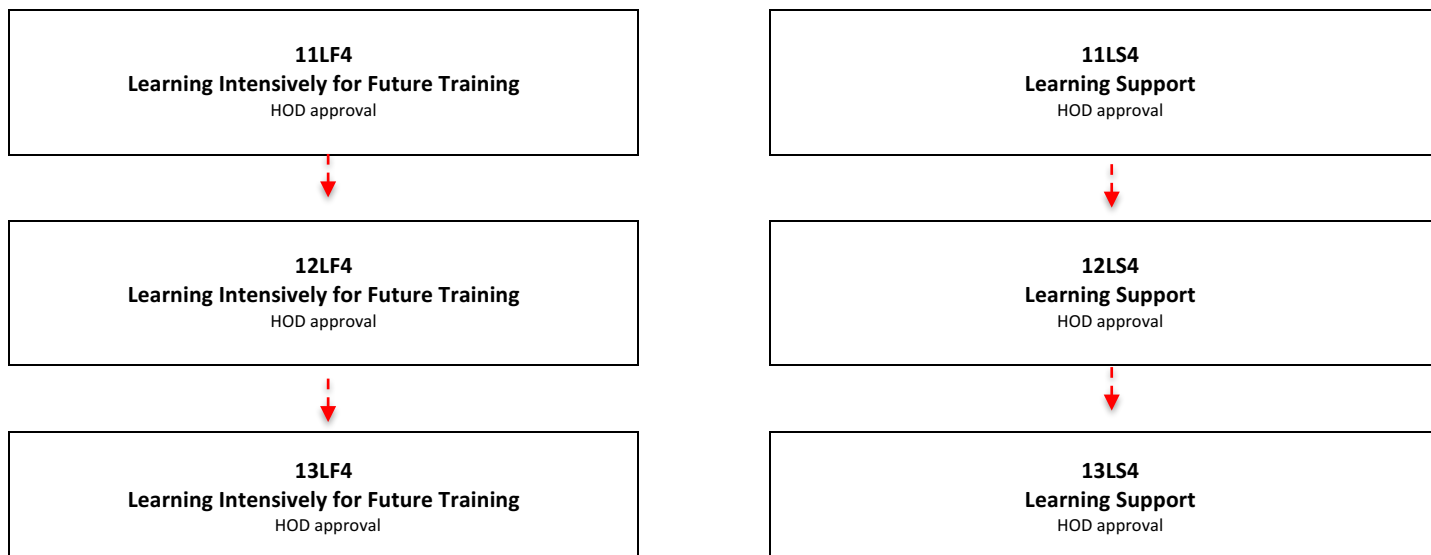
HEALTH FACULTY – COURSES AND PREREQUISITES 2017



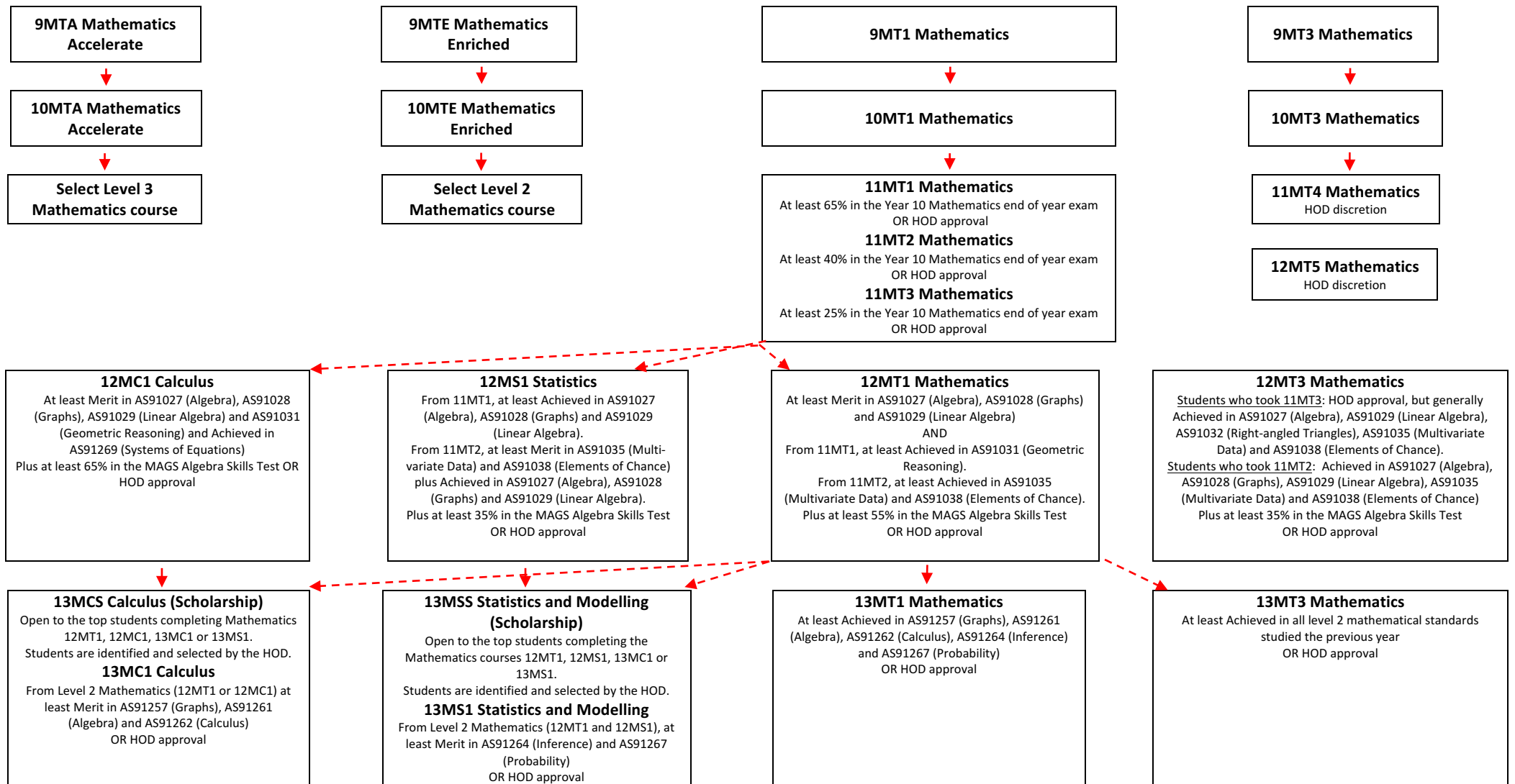
LANGUAGES FACULTY – COURSES AND PREREQUISITES 2017



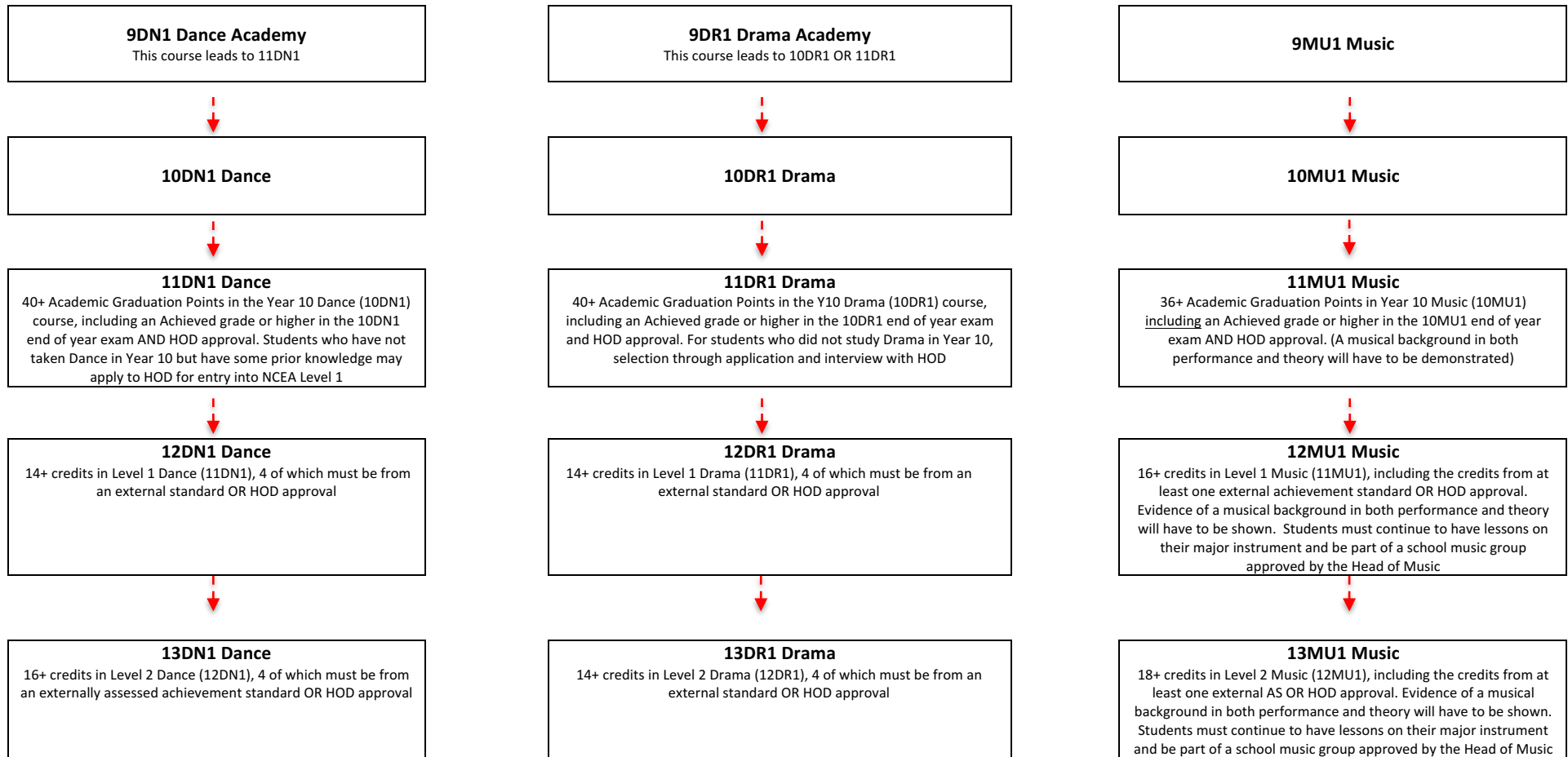
LEARNING SUPPORT FACULTY – COURSES AND PREREQUISITES 2017



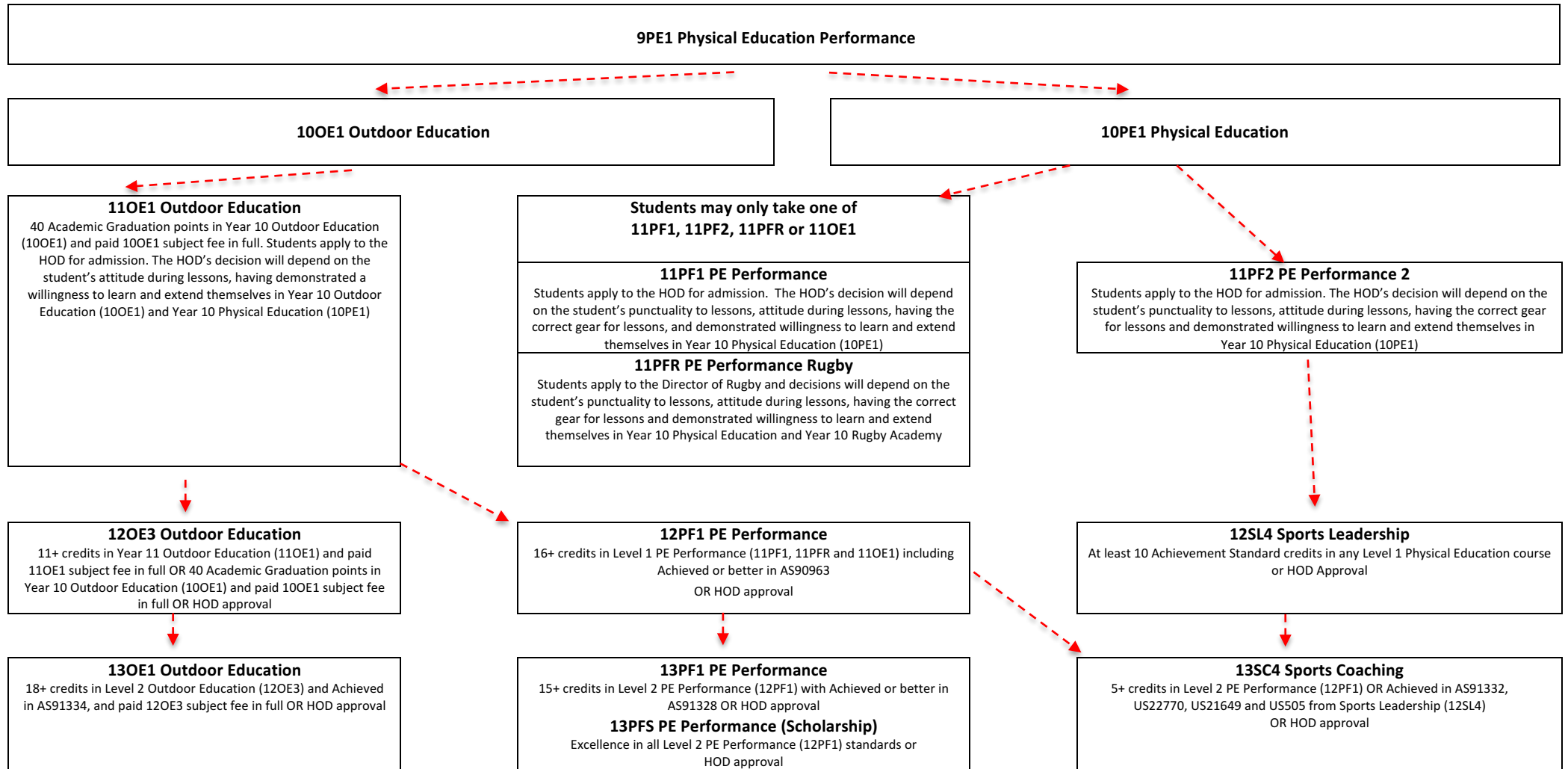
MATHEMATICS FACULTY – COURSES AND PREREQUISITES 2017



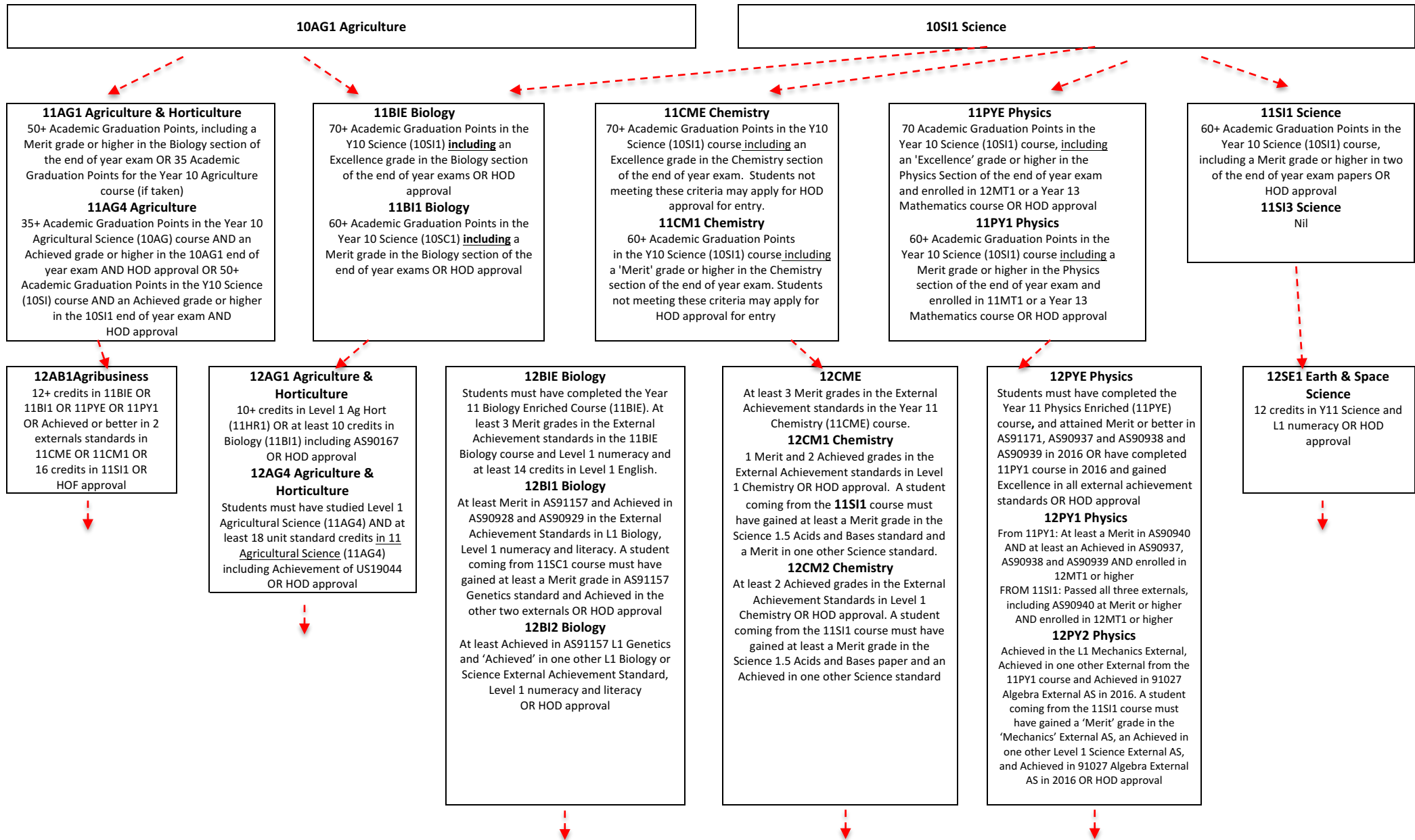
PERFORMING ARTS FACULTY – COURSES AND PREREQUISITES 2017



PHYSICAL EDUCATION FACULTY – COURSES AND PREREQUISITES 2017



SCIENCE FACULTY – COURSES AND PREREQUISITES 2017



13AB1 Agribusiness

New subject in 2018

13AG1 Agriculture & Horticulture

10+ credits in Level 2 (12AG1) OR 10+ credits in Level 2 Biology (12B1) and Achieved or better in AS90459 (Genetics) OR HOD approval

13AG4 Agriculture & Horticulture

Students must have studied 12 Agriculture & Horticulture (12AG4) At least 18 unit standard credits in 12 Agriculture & Horticulture (12AG4) including Achieved in US24557 OR HOD approval

13BIE Biology

At least 3 Merit grades in 12BIE L2/3 External Achievement Standards

13BI1 Biology

At least Merit in AS91157 L2 Genetics and at least Achieved in the other two L2 External Achievement Standards OR HOD approval

13BI2 Biology

At least Achieved in AS91157 L2 Genetics and Achieved in one other L2 Biology External Achievement Standard OR HOD approval

13CME Chemistry

3 'Merit' grades in the Level 2/3 External Achievement standards and at least 12 credits in Level 2 Mathematics OR HOD approval

13CM1 Chemistry

1 Merit and 2 Achieved grades in the Chemistry External Achievement standards and at least 12 credits in Level 2 Mathematics OR HOD approval

13CM2 Chemistry

2 Achieved grades in the External Achievement standards from the Level 2 Chemistry OR HOD approval

13PYE Physics

Excellence endorsement in Level 2 Physics (12PYE) OR HOD approval

13PY1 Physics

At least Merit in AS91171 AND at least Achieved in AS91170, AS91172 and AS91173 in Level 2 Physics OR HOD approval

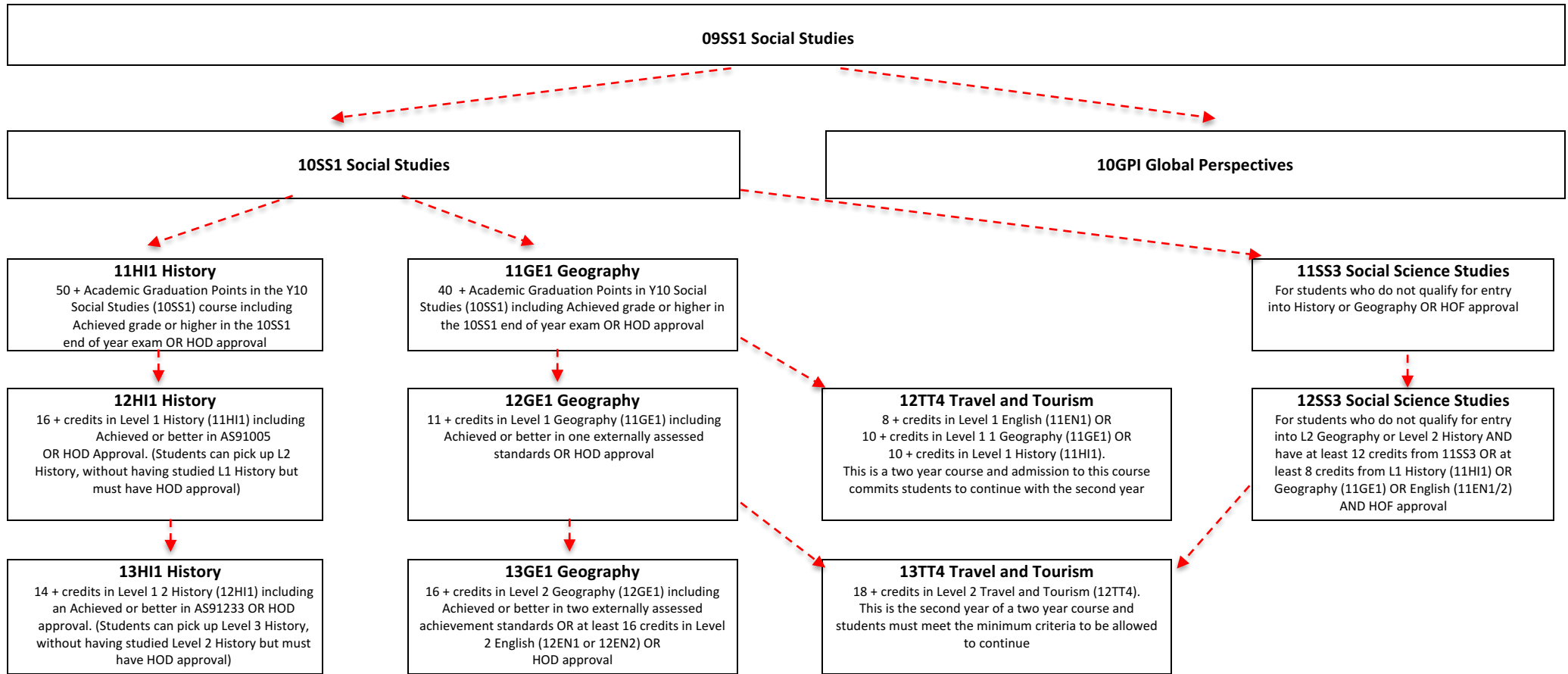
13PY2 Physics

Two Achieved grades in the External Achievement Standards in Level 2 Physics, one of which must be 'Mechanics' OR HOD approval

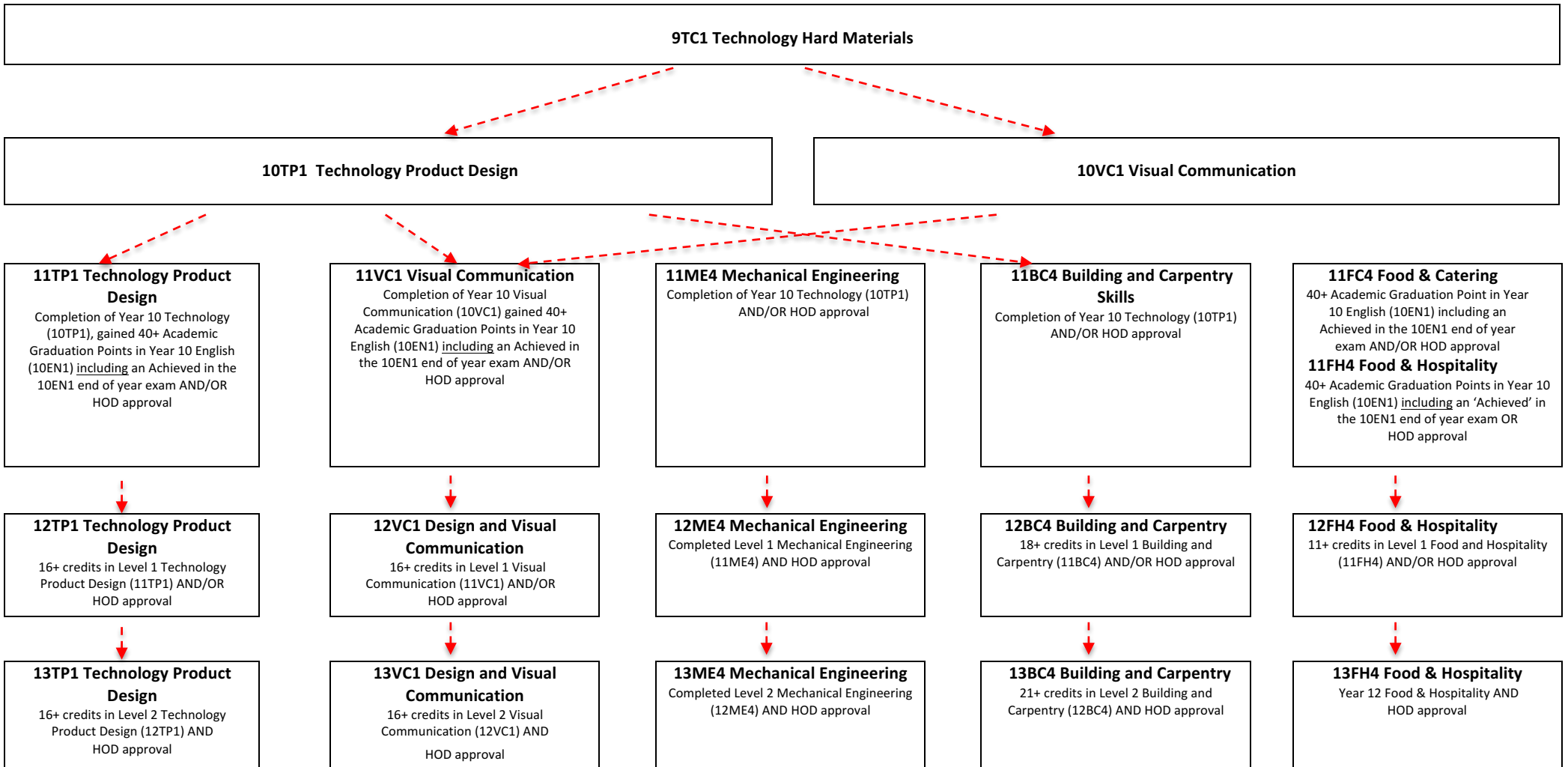
13SE1 Earth & Space Science

At least 14 credits in a Level 2 Science (12SE1) OR HOD approval

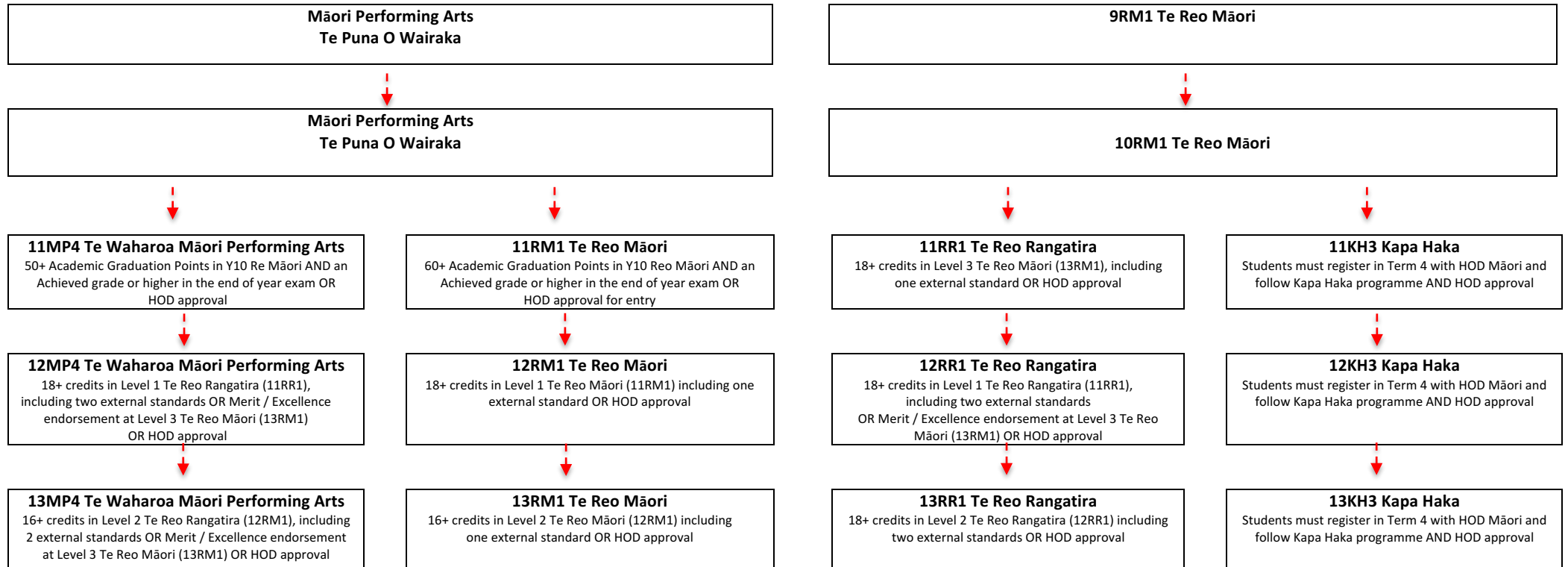
SOCIAL SCIENCE FACULTY – COURSES AND PREREQUISITES 2017



TECHNOLOGY FACULTY – COURSES AND PREREQUISITES 2017



TE TARI MĀORI FACULTY – COURSES AND PREREQUISITES 2017



11DN1 DANCE – NCEA LEVEL 1 – leads to 12DN1 – contact Ms Cesan HOD Dance**Prerequisites**

At least 40 Academic Graduation Points in the Y10 Dance (10DN1) course, including an 'Achieved' grade or higher in the 10DN1 end of year exam AND HOD approval

Students who have not taken Dance in Year 10 but have some prior knowledge may apply to HOD for entry into NCEA Level 1

Students will:

- Utilise dance elements and devices to compose and perform movement sequences in a variety of dance genres
- Be introduced to the history and context of a chosen dance genre
- View and respond to dance performances

While 28 credits are available in NCEA Level 1 Dance, students will complete either AS90005 or AS90860 to make up 24 credits

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXR	LIT
AS90002	Perform dance sequences	1	6	I	
AS90005	Demonstrate knowledge of a dance genre or style	1	4	E	L1
AS90858	Compose dance sequences for given briefs	1	6	I	
AS90859	Demonstrate ensemble skills in a dance	1	4	I	
AS90860	Demonstrate understanding of the elements of dance	1	4	I	L1
AS90861	Demonstrate understanding of a dance performance	1	4	E	L1
While 28 credits are available in NCEA Level 1 Dance, students will complete either AS90005 or AS90860 to make up 24 credits					
Internal Achievement Standards: 20		External Achievement Standards: 8		Total: 28	

11DN1 - Supplementary materials/equipment fee: Approx \$25

11DR1 DRAMA - NCEA LEVEL 1 – leads to 12DR1 – contact Dr McGregor HOD Drama**Prerequisites**

At least 40 Academic Graduation Points in the Y10 Drama (10DR1) course, including an 'Achieved' grade or higher in the 10DR1 end-of-year exam and HOD approval

For students who did not study Drama in Year 10, selection through application and interview with HOD

Students will:

- Learn to use Drama elements and conventions to devise and create performances
- Explore contemporary theatre practitioners, with particular reference to Stanislavski
- Attend at least one live theatre performance
- Present a class production which will be performed to an invited audience

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90006	Apply drama techniques in a dramatic context	1	4	I	L1
AS90997	Devise and perform a drama	1	5	I	L1
AS90998	Demonstrate understanding of features of a drama/theatre form	1	4	E	L1
AS90999	Use features of a drama/theatre form in a performance	1	4	I	L1
AS91000	Demonstrate understanding of a significant play	1	4	I	L1
AS90009	Perform an acting role in a scripted production	1	5	I	L1
AS90011	Demonstrate understanding of the use of drama aspects within live performance	1	4	E	L1
While there are 7 Achievement Standards available, students will complete 3 Internal and 2 External Achievement Standards					
Internal Achievement Standards: 22		External Achievement Standards: 8		Total: 30	

11DR1 – Supplementary materials/equipment fee: \$70

11MU1 MUSIC – NCEA LEVEL 1 – leads to 12MU1 – contact Mrs Zjajic-Moon HOD Music**Prerequisites**

At least 36 Academic Graduation Points in Year 10 Music (10MU1) including an 'Achieved' grade or higher in the 10MU1 end-of-year exam and HOD approval. (A musical background in both performance and theory will have to be demonstrated.)

Students will:

- Study performance, composition, aural analysis of music, score reading and musical knowledge. Two separate topics will be studied throughout the year
- Standards selected from the list below

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS91090	Perform two pieces of music as a featured soloist	1	6	I	
AS91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	1	4	I	
AS91092	Compose two original pieces of music	1	6	I	
AS91093	Demonstrate aural and theoretical skills through transcription	1	4	E	
AS91094	Demonstrate knowledge of conventions used in music scores	1	4	E	L1
AS91095	Demonstrate knowledge of two music works from contrasting contexts	1	6	I	L1
Internal Achievement Standards: 22		External Achievement Standards: 8		Total: 30	

11MU1 - Supplementary materials/equipment fee: Nil

NOTE: STUDENTS MAY ONLY TAKE PAINTING OR PHOTOGRAPHY & DESIGN AT LEVEL ONE

YEAR 11 ART

Students will work on an individual interpretation of a given theme; students will study a range of artist models and apply the knowledge, skills and techniques learnt into their own work. Students will complete up to four Achievement Standards during the year. This will include Achievement Standard 90916. Produce a body of work informed by established practice that develops ideas using a range of media, which consists of a 2 x panel folio where students will demonstrate work within the visual disciplines of painting, design and photography.

11PN1 PAINTING - NCEA LEVEL 1 – leads to 12PN1 – contact Mr Rees TIC Paintings

Prerequisites

All units passed in Year 10 Art with Achieved or better

Students will:

- Use drawing methods and skills for recording information using wet and dry media
- Produce a body of work informed by established practice, which develops ideas, using a range of media
- Produce a finished work that demonstrates skills appropriate to cultural conventions

This course is for students intending to study painting or printmaking in Years 12 and 13

Entry to Year 12 Design or Photography from this course needs HOD approval

NUMBER	NAME OF STANDARD/DOMAIN: PAINTING (PN)	LEVEL	CREDITS	INT/EXT
AS91018	Demonstrate knowledge of media and methods used to produce art works * (optional)	1	4	I
AS90914	Use drawing methods and skills for recording information using wet and dry media	1	4	I
AS90916	Produce a body of work informed by established practice, which develops ideas, using a range of media	1	12	E
AS90917	Produce a finished work that demonstrates skills appropriate to cultural conventions	1	4	I
Internal Achievement Standards: 8 -12		External Achievement Standards: 12		Total: 20- 24

11PN1 - Supplementary materials/equipment fee: Approx \$90

11PH1 PHOTOGRAPHY & DESIGN - NCEA LEVEL 1 – leads to 12PH1 & 12DS1 – contact Ms Aleh HOD Visual Art

Prerequisites

Entrance is Merit based i.e. students with higher grades have preference.

All units passed in Year 10 Art with 'Achieved' grade or better

OR HOD approval with portfolio submitted before week 10 of term 3

Students need their own digital camera

Students will:

- Use drawing methods to record information in wet and dry media for design
- Use drawing methods to apply knowledge of conventions appropriate to photography (sketches, compositional notes, proof sheets, working prints, photograms, collage, montage and photographs)
- Produce a body of work informed by established practice in design and photography, which develops ideas, using a range of media

This course is for students intending to study design/photography or printmaking in years 12 and 13

Entry to Year 12 Painting from this course needs HOD approval

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
AS90913	Demonstrate knowledge of media and methods used to produce art works * (OPTIONAL)	1	4	I
AS90914	Use drawing methods and skills for recording information using wet and dry media	1	4	I
AS90916	Produce a body of work informed by established practice, which develops ideas, using a range of media	1	12	E
AS91312	Use drawing methods to apply knowledge of conventions appropriate to photography	1	4	I
Internal Achievement Standards: 8 - 12		External Achievement Standards: 12		Total: 20-24

11PH1 - Supplementary materials/equipment fee: Approx \$80

11AC1 ACCOUNTING – NCEA LEVEL 1 – leads to 12AC1 – contact Ms Hayes HOF Commerce

Prerequisites

At least 20 Academic Graduation Points in the Y10 Accounting and Economics (10AE1) course, OR At least 20 Academic Graduation Points in the Y10 Business Studies (10BU1) course
 OR Entry 11MT2 or higher
 OR HOD approval

Students will:

- Study basic processing of transactions, financial analysis and reporting skills, by accounting for sole proprietor businesses
- This course leads to many jobs in the finance area including accountancy, insurance and banking

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90976	Demonstrate understanding of accounting concepts for small entities	1	3	E	L1
AS90977	Process financial transactions for a small entity	1	5	I	
AS90978	Prepare financial statements for sole proprietors	1	5	E	
AS90980	Interpret accounting information for sole proprietors	1	4	E	L1
AS90982	Demonstrate understanding of cash management for a small entity	1	4	I	L1
Internal Achievement Standards: 9		External Achievement Standards: 12		Total: 21	

11AC1 - Supplementary material/equipment fee: Approx \$40

11BU1 BUSINESS – NCEA LEVEL 1 – leads to 12BU1 – contact Ms Hayes HOF Commerce

Prerequisites

At least 20 Academic Graduation Points in the Y10 Accounting and Economics (10AE1) course OR At least 20 Academic Graduation Points in the Y10 Business Studies (10BU1) course
 OR Entry into 11MT2 or higher
 OR HOD approval

Students will:

- Focus on small businesses
- Develop the skills necessary to make informed and rational decisions about business matters
- Investigate the internal and external factors affecting small business and use business knowledge to solve operational problems
- Learn the skills necessary to market a new or existing product, and carry out and review a product-based business activity

NUMBER	DOMAIN	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90837	BU	Demonstrate an understanding of internal features of a small business	1	4	E	L1
AS90838	BU	Demonstrate an understanding of external factors influencing a small business	1	4	E	L1
AS90839	BU	Apply business knowledge to an operational problem(s) in a given small business context	1	4	E	L1
AS90840	BU	Apply the marketing mix to a new or existing product	1	3	I	L1
AS90842	BU	Carry out and review a product-based business activity within a classroom context with direction	1	6	I	L1
Internal Achievement Standards: 9		External Achievement Standards: 12		Total: 21		

11BU1 - Supplementary material/equipment fee: Approx \$10

11CO3 COMMERCE STUDIES – NCEA LEVEL – leads to 12CO4 – contact Ms Hayes HOF Commerce

Prerequisites

Nil

Students will:

- Investigate human resource processes in a business
- Develop skills to make financial decisions and gain an understanding of cash management
- Investigate government decisions and the interdependence of sectors of the NZ economy

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90840	Apply the marketing mix to a new or existing product	1	3	I	L1
AS90981	Make a financial decision for an individual or group	1	3	I	L1
AS90982	Demonstrate understanding of cash management for a small entity	1	4	I	L1
AS90984	Demonstrate understanding of decisions a producer makes about production	1	5	I	L1
AS90988	Demonstrate understanding of the interdependence of sectors of the New Zealand economy	1	3	I	L1
Internal Achievement Standards: 18		Total: 18			

11CO3 - Supplementary material/equipment fee: None

11EC1 ECONOMICS – NCEA LEVEL 1 – leads to 12EC1 – contact Mr Roberts HOD Economics

Prerequisites

At least 20 Academic Graduation Points in the Y10 Accounting and Economics (10AE1) course
 OR At least 20 Academic Graduation Points in the Y10 Business Studies (10BU1) course
 OR Entry into 11MT2 or higher
 OR HOD approval

Students will:

- Focus on consumers and producers interacting through the market. There are three parts to the course – producer decisions, consumer decisions and the market
- Gain a greater understanding of the New Zealand economy and the world in which we live by examining the collective behaviour of the groups involved

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90983	Demonstrate understanding of consumer choices, using scarcity and/or demand	1	4	E	L1
AS90984	Demonstrate understanding of decisions a producer makes about production	1	5	I	L1
AS90985	Demonstrate understanding of producer choices using supply	1	3	E	L1
AS90986	Demonstrate understanding of how consumer, producer and/or government choices affect society	1	5	E	L1
AS90988	Demonstrate understanding of the interdependence of sectors of the New Zealand economy	1	3	I	L1
Internal Achievements Standards: 8		External Achievement Standards: 12		Total: 20	

11EC1 - Supplementary material/equipment fee: Approx \$40

11ENE ENGLISH ENRICHED – NCEA LEVEL 1 – leads to 12ENE/12EN1 – contact Mrs Mason HOF English

Prerequisites

101 or more Academic Graduation Points in Year 10 English (10EN1) including Merit or Excellence in the 10EN1 English end of year exam OR HOF approval

Students will:

- Be offered a rich study of literature and language to enhance achievement at Level 1 NCEA
- Focus on achievement with excellence in a wide range of disciplines and prepare to achieve excellence at Level 2

NUMBER	DOMAIN	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90052	E	Produce creative writing	1	3	I	L1
AS90852	E	Explain significant connection(s) across texts, using supporting evidence	1	4	I	L1
AS90849	E	Show understanding of specified aspect(s) of written text(s) using supporting evidence	1	4	E	L1
AS90850	E	Show understanding of specified aspect(s) of visual or oral text(s) using supporting evidence	1	4	E	L1
AS90851	E	Show understanding of significant aspect(s) of unfamiliar written text(s) using supporting evidence	1	4	E	L1
AS90857	E	Construct and deliver an oral text	1	3	I	L1
Internal Achievement Standards: 10		External Achievement Standards: 12		Total: 22		

11ENE - Supplementary materials/equipment fee: Approx \$10

11EN1 ENGLISH 1 – NCEA LEVEL 1 – leads to 12EN1 – contact Mrs Mason HOF English

Prerequisites

Between 65 and 100 Academic Graduation Points in the Year 10 English (10EN1) course including an 'Achieved' grade or higher in the 10EN1 end of year exam OR HOF approval

Students will:

- Study a range of written and visual texts to enhance achievement at Level 1 NCEA
- Develop their reading, writing, speaking and listening skills

NUMBER	DOMAIN	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90052	E	Produce creative writing	1	3	I	L1
AS90053	E	Produce formal writing	1	3	I	L1
AS90849	E	Show understanding of specified aspect(s) of written text(s) using supporting evidence	1	4	E	L1
AS90850	E	Show understanding of specified aspect(s) of visual or oral text(s) using supporting evidence	1	4	E	L1
AS90851	E	Show understanding of significant aspect(s) of unfamiliar written text(s) using supporting evidence	1	4	E	L1
AS90857	E	Construct and deliver an oral text	1	3	I	L1
Internal Achievement Standards: 9		External Achievement Standards: 12		Total: 21		

11EN1 - Supplementary materials/equipment fee: Approx \$10

11EN2 ENGLISH 2 – NCEA LEVEL 1 – leads to 12EN1 – contact Mrs Mason HOF English

Prerequisites

Fewer than 65 Academic Graduation Points in the Year 10 English (10EN1) course

Students will:

- Have the opportunity to achieve Level 1 Literacy
- Study film and a variety of written texts
- Develop key skills in reading, writing, speaking and listening

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: ENGLISH (E)	LEVEL	CREDITS	INT/EXT	LIT
AS90849	E	Show understanding of specified aspect(s) of written text(s) using supporting evidence	1	4	E	L1
AS90850	E	Show understanding of specified aspect(s) of visual or oral text(s), using supporting evidence	1	4	E	L1
AS90856	E	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	1	3	I	L1
AS90855	E	Create a visual text	1	3	I	L1
AS90857	E	Construct and deliver an oral text	1	3	I	L1
AS90053	E	Produce Formal Writing	1	3	I	L1
AS90853	E	Use information literacy skills to form conclusion(s)	1	4	I	L1
Internal Achievement Standards: 12			External Achievement Standards: 8		Total: 20	

11EN2 - Supplementary materials/equipment fee: Approx \$10

MEDIA STUDIES DEPARTMENT

The key concepts in Media Studies are:

Mediation – The meaning of texts is shaped by the interaction of media texts with audiences and social context

Communication – Media products have distinctive ways of telling stories, particular narratives, and recognisable genres

Creativity – Media creation incorporates vision, energy, critique, and reflection to produce artistic and aesthetic interpretations

Media Studies is about the active exploration, analysis, creation, and enjoyment of the media and its products. It examines the dynamic role of the **media in society**, how the media constructs messages about individuals, communities, and cultures and how media products are produced, controlled, and distributed. Through media studies, students gain the knowledge and skills to conceive, plan, design and create media products

11MD1 MEDIA STUDIES – NCEA LEVEL 1 – leads to 12MD1 – contact Mr Allen HOD Media Studies

Prerequisites

Students who wish to take the course in Year 11 should have achieved at least 65 Academic Graduation Points taken from the Year 10 English course, including at least an 'Achieved' grade or higher in the end of year English Exam
OR HOD Media Studies approval

Students will:

- Examine how the media represents different groups of people
- Study a specific film genre
- Learn the skills of close reading of media texts so they can respond to the products of others as well as their own
- Apply the knowledge they have gained about media conventions and technology and plan and create their own media production

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: MEDIA STUDIES (MS)	LEVEL	CREDITS	INT/EXT	LIT
AS990990	Media Studies	Demonstrate understanding of selected elements on media text(s)	1	3	I	L1
AS90989	Media Studies	Demonstrate understanding of how individuals interact with the media	1	3	I	L1
AS90992	Media Studies	Demonstrate understanding of characteristics of a media genre	1	4	E	L1
AS90994	Media Studies	Complete a media product from a design and plan using a specific range of conventions	1	6	I	
AS90993	Media Studies	Produce a design and plan for a media product using a specified range of conventions	1	3	I	
Internal Achievement Standards: 15			External Achievement Standards: 4		Total: 19	

11MD1 - Supplementary materials/equipment fee: \$5

11CH1 CHINESE – NCEA LEVEL 1 – leads on to 12CH1 - contact Ms Selaries HOF Languages

Prerequisites

At least 60 Academic Graduation Points in the Year 10 (10CH1) course including an 'Achieved' grade or higher in the 10CH1 end of year exam OR Teacher in Charge approval

Students will:

- Study friends and family, shopping, school life, environment and health, weather, fashion and entertainment, media, travel and customs plus Year 10 topics

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
AS90868	Demonstrate understanding of a variety of spoken Chinese texts on areas of most immediate relevance	1	5	E
AS90869	Give a spoken presentation in Chinese that communicates a personal response	1	4	I
AS90871	Demonstrate understanding of a variety of Chinese texts on areas of most immediate relevance	1	5	E
AS90872	Write a variety of text types in Chinese on areas of most immediate relevance	1	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

11CH1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and a workbook

11FR1 FRENCH – NCEA LEVEL 1 – leads to 12FR1 - contact Ms Selaries HOF Languages

Prerequisites

At least 60 Academic Graduation Points in the Year 10 (10FR1) course including an 'Achieved' grade or higher in the 10FR1 end of year exam OR Teacher in Charge approval

Students will:

Study daily activities, holidays, New Zealand, leisure and social activities, work, getting around town, shopping, health, problems and solutions, memories of the past, ambitions for the future plus Year 9 and 10 topics.

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
AS90878	Demonstrate understanding of a variety of spoken French texts on areas of most immediate relevance	1	5	E
AS90879	Give a spoken presentation in French that communicates a personal response	1	4	I
AS90881	Demonstrate understanding of a variety of French texts on areas of most immediate relevance	1	5	E
AS90882	Write a variety of text types in French on areas of most immediate relevance	1	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

11FR1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and Tricolore Total Workbook

11GM1 GERMAN – NCEA LEVEL 1 – leads to 12GM1 – contact Mr Gibbs HOD German

Prerequisites

At least 60 Academic Graduation Points in the Year 10 (10GM1) course including an 'Achieved' grade or higher in the 10GM1 end of year exam OR Teacher in Charge approval

Students will:

- Study domestic chores, holiday accommodation, travelling, music, TV, films, problems, negotiations, accommodation, directions, daily routine, after-school activities plus Year 9 and 10 topics

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
AS90884	Give a spoken presentation in German that communicates a personal response	1	4	I
AS90883	Demonstrate understanding of a variety of spoken German texts on areas of most immediate relevance	1	5	E
AS90886	Demonstrate understanding of a variety of German texts on areas of most immediate relevance	1	5	E
AS90887	Write a variety of text types in German on areas of most immediate relevance	1	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

11GM1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and a workbook

11JP1 JAPANESE – NCEA LEVEL 1 – leads to 12JP1 - contact Ms Selaries HOF Languages

Prerequisites

At least 60 Academic Graduation Points in the Year 10 (10JP1) course including an 'Achieved' grade or higher in the 10JP1 end-of-year exam
OR Teacher in Charge approval

Students will:

- Study home and family, free time, shopping, health, school plus Year 10 topics

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
AS90894	Give a spoken presentation in Japanese that communicates a personal response	1	4	I
AS90893	Demonstrate understanding of a variety of spoken Japanese texts on areas of most immediate relevance	1	5	E
AS90896	Demonstrate understanding of a variety of Japanese texts on areas of most immediate relevance	1	5	E
AS90897	Write a variety of text types in Japanese on areas of most immediate relevance	1	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

11JP1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and a workbook

11LF4 LIFT – NCEA LEVEL 1 - leads to 12LF4 – contact Mrs Drake HOF Learner Support

Prerequisites

HOD approval

Course Information:

- LIFT has been designed as a personal development course teaching skills that are linked to life experience and the academic needs of the workplace. LIFT stands for **Learning Intensively for Future Training**. The course involves a series of individual challenges or projects related to unit standards for literacy, numeracy, financial literacy, career planning, employment skills and self-management. Teachers help, guide and encourage individual excellence. At all levels students produce a portfolio of work to meet the criteria for personal development unit standards. The programme begins at Year 11 and continues to Year 13 but a student may begin at any level
- Students may occasionally require materials from home, e.g. cooking ingredients
- Students in Year 11 will attempt the functional numeracy and literacy Level 1 credits

Note: Functional numeracy and literacy requires that students attain all of the 10 credits for literacy and all of the 10 credits for numeracy in the same calendar year.

NUMBER	STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
US26622	Write to communicate ideas for a purpose and audience	1	4	I	L1	
US26624	Read texts with understanding	1	3	I	L1	
US26625	Actively participate in spoken interactions	1	3	I	L1	
US26623	Use number to solve problems	1	4	I		L1
US26626	Interpret statistical information for a purpose	1	3	I		L1
US26627	Use measurement to solve problems	1	3	I		L1
Unit Standards		Total: 20				

In addition to the literacy and numeracy standards, the following standards will form the basis for the student portfolio. The student and teacher will select standards for a personalised learning programme. Alternative and additional standards from the same domains may be added.

NUMBER	STANDARD	LEVEL	CREDITS	INT/EXT
US12358	Demonstrate knowledge of purchasing household consumables	1	3	I
US496	Manage personal wellness	1	3	I
US3483	Fill in a Form	1	2	I
US7121	Demonstrate skills to search, access and select information	1	2	I
US24709	Produce a balanced budget to manage personal finances.	1	3	I
US18758	Find information using the Internet	1	2	I
US504	Produce a CV	1	2	I
US7210	Demonstrate knowledge of note taking	1	2	I
Internal Unit Standards : 20		Total: 20		

11FL4 - Supplementary materials/equipment fee: Approx \$15

11LS4 LEARNING SUPPORT – NCEA LEVEL 1 – leads to 12LS4 – contact Mrs Drake HOF Learner Support

Prerequisites

HOD Approval

Course Information:

Students who find a Learning Support course useful are:

- Those who need extra time to learn concepts or develop skills in their other subjects
- Those for whom the existing courses are not relevant
- Those who wish to undertake courses not available in the school which are more suited to their learning needs

The Learning Centre offers a range of alternative education options for students at all levels. An individual learning plan is developed in consultation with students, parents and teachers. Outside providers such as tertiary providers and the Correspondence School contribute to a wide range of alternative learning options.

11LS4 - Supplementary materials/equipment fee: Approx \$10

11MT1 MATHEMATICS 1 – NCEA LEVEL 1 – leads to 12MC1, 12MS1, 12MT1 – contact Mr Sangster HOF Mathematics**Prerequisites**

At least 65% in Year 10 Mathematics end of year exam
OR HOD approval

Students will:

- Be expected to have a good grounding in Mathematics at Levels 4 and 5 of the Mathematics curriculum

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91027	Apply algebraic procedures in solving problems (CAT)	1	4	E		L1
AS91028	Investigate relationships between tables, equations and graphs	1	4	E		L1
AS91029	Apply linear algebra in solving problems	1	3	I		L1
AS91031	Apply geometric reasoning in solving problems	1	4	E		L1
AS91260	Use networks in solving problems	2	2	I		L1
AS91269	Apply systems of equations in solving problems	2	2	I		L1
Internal Achievement Standards: 7		External Achievement Standards: 12		Total: 19		

11MT1 - Supplementary materials/equipment: Approx \$50

11MT2 MATHEMATICS 2 – NCEA LEVEL 1 – leads to 12MS1, 12MT3 – contact Mr Sangster HOF Mathematics**Prerequisites**

At least 40% in Year 10 Mathematics end of year exam
OR HOD approval

Students will:

- Be intending to proceed to Level 2 Mathematics and may require Mathematics for entry to their tertiary course but they may not necessarily study Mathematics in Year 13

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91027	Apply algebraic procedures in solving problems (CAT)	1	4	E		L1
AS91028	Investigate relationships between tables, equations and graphs	1	4	E		L1
AS91029	Apply linear algebra in solving problems	1	3	I		L1
AS91035	Investigate a given multivariate data set using the statistical enquiry cycle	1	4	I	L1	L1
AS91038	Investigate a situation involving elements of chance	1	3	I	L1	L1
Internal Achievement Standards: 10		External Achievement Standards: 8		Total: 18		

11MT2 - Supplementary materials/equipment: Approx \$50

11MT3 MATHEMATICS 3 – NCEA LEVEL 1 – leads to 12MT3 – contact Mr Sangster HOF Mathematics**Prerequisites**

More than 25% in the Year 10 Mathematics end of year exam
OR HOD approval

Students will:

- Be intending to proceed to Level 2 Mathematics and may require Mathematics at this Level for entry to a vocational course, but they are unlikely to study Mathematics at Level 3

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91027	Apply algebraic procedures in solving problems (CAT)	1	4	E		L1
AS91029	Apply linear algebra in solving problems	1	3	I		L1
AS91032	Apply right-angled triangles in solving measurement problems	1	3	I		L1
AS91035	Investigate a given multivariate data set using the statistical enquiry cycle	1	4	I	L1	L1
AS91038	Investigate a situation involving elements of chance	1	3	I	L1	L1
Internal Achievement Standards: 13		External Achievement Standards: 4		Total: 17		

11MT3 - Supplementary materials/equipment: Approx \$40

11MT4 MATHEMATICS 4 – NCEA LEVEL 1 – contact Mr Sangster HOF Mathematics**Prerequisites**

Nil

These courses are designed for students struggling in Mathematics. Emphasis is placed on improving basic Mathematical skills and covering a wide range of topics necessary for everyday life application.

Note: This course will consist of a number of foundational achievement standards and/or unit standards which will allow students to gain the credits needed for the numeracy requirements for the NCEA Level 1 Certificate.

Students who perform very well in the 11MT4 course may be able to proceed to the 11MT3 Level 1 course the following year.

The course will be made up from the following standards

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91026	Apply numeric reasoning in solving problems	1	4	I		L1
AS91030	Apply measurement in solving problems	1	3	I		L1
AS91032	Apply right-angled triangles in solving problems	1	3	I		L1
AS91035	Investigate a given multivariate data set using the statistical enquiry cycle	1	4	I	L1	L1
AS91036	Investigate a given bivariate data set using the statistical enquiry cycle	1	3	I	L1	L1
US26623	Use number to solve problems		4	I		L1
US26626	Interpret statistical information for a purpose		3	I		L1
US26627	Use measurement to solve problems		3	I		L1
Internal Achievement Standards: 17 **		Internal Unit Standards: 10		External Achievement Standards: 0		

11MT4 - Supplementary materials/equipment: Approx \$20

** Not all these Standards may be offered, dependent on progress and results from the previous year

11HE1 HEALTH – NCEA LEVEL 1 – Leads to 12HE1 – contact Ms Lythe HOD Health**Prerequisites**

At least 50 Academic Graduation Points in the Y10 English (10EN1) course, including an 'Achieved' grade or higher in the Year 10 (EN1) English end of year exam OR 50 Graduation points in Year 10 Health (10HE1) OR HOD approval

Students will:

- Be introduced to concepts in understanding health education. This includes studying topics of personal well-being, interpersonal skills and relationships, strategies for managing change, positive sexuality and making health enhancing decisions in drug-related situations
- Develop positive attitudes and values towards their own and others' well-being.
- Develop critical thinking skills and develop resilience and a sense of personal and social responsibility

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: HEALTH (HE)	LEVEL	CREDITS	INT/EXT	LIT
AS90971	HE	Take action to enhance an aspect of personal well-being	1	3	I	L1
AS90973	HE	Demonstrate understanding of interpersonal skills used to enhance relationships	1	5	I	L1
AS90974	HE	Demonstrate understanding of strategies for promoting positive sexuality	1	4	I	L1
AS90975	HE	Demonstrate understanding of issues to make health-enhancing decisions in drug-related situations	1	4	E	L1
AS91097	HE	Demonstrate understanding of ways in which wellbeing can change and strategies to support wellbeing	1	4	I	L1
Internal Achievement Standards: 16		External Achievement Standards: 4		Total: 20		

11HE1 - Supplementary materials/equipment fee: Approx \$20

NOTE: STUDENTS MAY ONLY TAKE ONE OF 11PF1, 11PF2, 11PFR or 11OE1

11OE1 OUTDOOR EDUCATION – NCEA LEVEL 1 – leads to 12OE3/12PF1 – contact Mr Whitehead HOD Outdoor Education**Prerequisites**

40 Academic Graduation points in Year 10 Outdoor Education (10OE1) and paid 10OE1 subject fee in full

Students apply to the HOD for admission. The HOD's decision will depend on the student's attitude during lessons, having demonstrated a willingness to learn and extend themselves in Year 10 Outdoor Education (10OE1) and Year 10 Physical Education (10PE1)

Students will:

- Participate in outdoor pursuits that could include: surfing, kayaking, mountain biking, mud running, tramping, camping, climbing
- Be introduced to the function of the body as it relates to physical activity
- Develop their interpersonal skills
- Develop their responsible behaviour when in the outdoors
- Develop self-management strategies
- Participate in a variety of physical activities

For more information on the 'Education Outside The Classroom' for this course please visit the MAGS Outdoor Education YouTube channel: <https://www.youtube.com/user/MAGSOutdoorEducation>

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: PHYSICAL EDUCATION (PE)	LEVEL	CREDITS	INT/EXT	LIT
AS90962	PE	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I	
AS90963	PE	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	1	5	I	L1
AS90964	PE	Demonstrate quality movement in the performance of a physical activity	1	3	I	
AS90966	PE	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I	L1
AS90968	PE	Demonstrate and show understanding of responsible behaviour for safety during outdoor education activities	1	3	I	L1
AS90970	PE	Demonstrate self-management strategies and describe the effects on participation in physical activity	1	3	I	L1
Internal Achievement Standards: 23		External Achievement Standards: Nil		Total: 23		

11OE1 - Supplementary materials/equipment fee: Approx. \$275

11PF1 PE PERFORMANCE - NCEA LEVEL 1 – leads to 12PF1 - contact Mr Dempster HOF Physical Education**Prerequisites**

Students apply to the HOD for admission. The HOD's decision will depend on the student's punctuality to lessons, attitude during lessons, having the correct gear for lessons, and demonstrated willingness to learn and extend themselves in Year 10 Physical Education (10PE1).

Students will:

- Be introduced to concepts in understanding physical education, participation and performance in sport and how health and well-being can benefit from physical activity

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: PE PERFORMANCE (PF)	LEVEL	CREDITS	INT/EXT	LIT
AS90962	PE	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I	
AS90963-L	PE	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	1	5	I	L1
AS90964	PE	Demonstrate quality movement in the performance of a physical activity	1	3	I	
AS90966	PE	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I	L1
AS90967	PE	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes.	1	3	I	L1
Internal Achievement Standards: 20			Total: 20			

11PF1 - Supplementary materials/equipment fee: Approx \$30

Note: All Physical Education courses are internally assessed

11PF2 PE PERFORMANCE – NCEA LEVEL 1 – leads to 12SL4 – contact Mr Dempster HOF Physical Education**Prerequisites**

Students apply to the HOD for admission. The HOD's decision will depend on the student's punctuality to lessons, attitude during lessons, having the correct gear for lessons and demonstrated willingness to learn and extend themselves in Year 10 Physical Education (10PE1)

Note: Students can only take one of the PE Performance classes or Outdoor Education at Level 1

Students will:

- Experience a variety of physical activities
- Be required to demonstrate and analyse their quality of movement and demonstrate scientific knowledge about exercise and physical activity

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: PE LIFESTYLES (PL)	LEVEL	CREDITS	INT/EXT	LIT
AS90962	PE	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I	
AS90964	PE	Demonstrate quality movement in the performance of a physical activity	1	3	I	
AS90966	PE	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I	L1
AS90970	PE	Demonstrate self-management strategies and describe the effects on participation in physical activity	1	3	I	L1
Internal Achievement Standards: 15			Total: 15			

11PF2 - Supplementary materials/equipment fee: Approx \$15**11PFR PE PERFORMANCE – RUGBY – NCEA LEVEL 1 – leads to 12PF1 – contact Mr Moon Director of Rugby****Prerequisites**

Students apply to the Director of Rugby and decisions will depend on the student's punctuality to lessons, attitude during lessons, having the correct gear for lessons and demonstrated willingness to learn and extend themselves in Year 10 Physical Education and Year 10 Rugby Academy

Students will:

- Be introduced to concepts in understanding physical education, participation and performance in rugby and how physical education content can help improve their rugby performance.

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
AS90962	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I
AS90963	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	1	5	I
AS90964	Demonstrate quality movement in the performance of a physical activity	1	3	I
AS90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I
AS90970	Demonstrate self-management strategies and describe the effects on participation in physical activity	1	3	I
Internal Achievement Standards: 20		Total: 20		

111PFR - Supplementary materials/equipment fee: Approx \$45

11AG1 AGRICULTURAL and HORTICULTURAL SCIENCE – NCEA LEVEL 1 – leads to 12AH1 – contact Miss Daffin

HOD Agriculture/Horticulture

Prerequisites

At least 35 Academic Graduation Points in the Year 10 Agriculture & Horticulture course, including a Merit grade or higher in the Biology section of the end of year exam

OR

At least 35 Academic Graduation Points for the Y10 Horticulture course (if taken)

Students will:

- Study a range of agricultural and horticultural topics, such as crop & pasture management, livestock management practices, plant function & physiology, soil science and geographic distribution of a primary based product
- Develop a sound basis for study at NCEA Level 2 & 3

NUMBER	DOMAIN	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90155	AHS	Demonstrate knowledge of pasture/crop management	1	4	I	L1
AS90919	AHS	Demonstrate knowledge of soil management practices	1	4	E	L1
AS90920	AHS	Demonstrate knowledge of geographic distribution of agricultural and/or horticultural primary production in NZ	1	3	I	L1
AS90921	AHS	Demonstrate knowledge of livestock management	1	5	E	L1
AS90924	AHS	Demonstrate knowledge of horticultural plant management practices and related plant physiology	1	4	E	L1
Internal Achievement Standards: 7			External Achievement Standards: 13		Total: 20	

11AG1 - Supplementary materials/equipment fee: Approx \$45**11AG4 AGRICULTURAL SCIENCE – NCEA LEVEL 1 – leads to 12AG4 – contact Miss Daffin HOD Agriculture/Horticulture****Prerequisites**

Minimum requirements for students who HAVE studied Agricultural Science at Year 10 level include:

At least 35 Academic Graduation Points in the Y10 Agricultural Science (10AG) course AND an 'Achieved' grade or higher in the 10AG1 end of year exam AND HOD approval

Minimum requirements for students who have NOT studied Agricultural Science at Year 10 level include:

At least 50 Academic Graduation Points in the Y10 Science (10SI) course AND an 'Achieved' grade or higher in the 10SI1 end-of-year exam. AND HOD approval

All students must be able to demonstrate their ability to listen to and follow instructions for the safety of all students, staff and visitors.

Places are limited. Meeting the prerequisite does not guarantee a place on the course.

Students will:

- Develop an understanding of agriculture with a sound foundation in theoretical and practical aspects
- Gain extensive experience on the school farm
- Gain credits towards NCEA Level 1
- Study Milk Production, Health and Safety, Livestock Handling, Soil Properties, Tractors and Fencing

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
US18192	Demonstrate knowledge of how cows produce milk	2	2	I
US19044	Describe the legal requirements and occupational hazards associated with tractor use	2	2	I
US245243	Demonstrate knowledge of the formation, and factor that influence properties, of soils on farm	3	5	1
US24832	Open and draw out a coil of wire, tie knots, join wire and prepare wire for transport and storage	2	5	I
US24833	Identify and maintain fencing tools and equipment, and identify fencing construction materials and wire tyres	2	3	1
AS90921	Demonstrate knowledge of livestock management practices	1	5	E
Internal Unit Standards: 17		Achievement Standards: 5		Total: 25

11AG4 - Supplementary materials/equipment fee: \$45**11BIE BIOLOGY ENRICHED - NCEA LEVEL 1 - leads to Scholarship Biology in Y12 and Y13 – contact Miss Dunham**

HOD Biology

Prerequisites

At least 70 Academic Graduation Points in the Y10 Science (10SI1) **including** an Excellence grade in the Biology section of the end of year exams OR HOD approval

Students will:

- Study living things in their environment
- Study the structure and function of plants and mammals
- Carry out practical investigations and research the links between biology and modern technology

NUMBER/DOMAIN	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90928	Demonstrate understanding of biological ideas relating to the life cycle of flowering plants	1	4	E	L1
AS90929	Demonstrate understanding of biological ideas relating to a mammal as a consumer	1	3	E	L1
AS90949	Investigate life processes and environmental factors that affect them	1	4	I	
AS90950	Investigate biological ideas relating to interactions between humans and microorganisms	1	4	I	
AS91157	Demonstrate understanding of genetic variation and change	2	4	E	L1
Internal Achievement Standards: 8		External Achievement Standards: 11		Total: 19	

11BIE - Supplementary materials/equipment fee: Approx \$60

11BI1 BIOLOGY – NCEA LEVEL 1 – leads to 12BI1 – contact Miss Dunham HOD Biology

Prerequisites

At least 60 Academic Graduation Points in the Y10 Science (10SC1) **including** a 'Merit' grade in the Biology section of the end of year exams
OR HOD approval

Students will:

- Study living things in their environment
- Study the structure and function of plants, human organ systems and micro-organisms
- Carry out practical investigations and research the links between biology and modern technology

NUMBER/DOMAIN	NAME OF STANDARD/DOMAIN: BIOLOGY (BI) SCIENCE (SI)	LEVEL	CREDITS	INT/EXT	LIT
AS90928	Demonstrate understanding of biological ideas relating to the life cycle of flowering plants	1	4	E	Y
AS90929	Demonstrate understanding of biological ideas relating to a mammal as a consumer	1	3	E	Y
AS90948	Demonstrate understanding of biological ideas relating to genetic variation	1	4	E	
AS90950	Investigate biological ideas relating to interactions between humans and microorganisms	1	4	I	
AS90949	Investigate life processes and environmental factors that affect them	1	4	I	
Internal Achievement Standards: 8		External Achievement Standards: 11	Total: 18		

11BI1 - Supplementary materials/equipment fee: Approx \$40

11CME CHEMISTRY ENRICHED - NCEA LEVEL 1 – leads to 12CME – contact Miss Pulham HOD Chemistry

Prerequisites

At least 70 Academic Graduation Points in the Y10 Science (10SI1) course **including** an 'Excellence' grade in the Chemistry section of the end of year exam
Students not meeting these criteria may apply for HOD approval for entry

Students will:

- Study the behaviour of matter.
- It is a practical based study covering the main topics of laboratory techniques, atomic structure and bonding, metals and their compounds, chemical reactions (types, simple calculations, identifying ions), organic chemistry – studied at Levels 1 & 2 and includes hydrocarbons, alcohols, carboxylic acids and amines

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS90930	Carry out a practical chemistry investigation, with direction	1	4	I		L1
AS91162	Carry out procedures to identify ions present in solution	2	3	I		
AS90944	Demonstrate understanding of aspects of acids and bases	1	4	E		
AS90934	Demonstrate understanding of aspects of chemical reactions	1	4	E		
AS91165	Demonstrate understanding of the properties of selected organic compounds	2	4	E	L1	
Internal Achievement Standards: 7		External Achievement Standards: 12	Total: 19			

11CME - Supplementary materials/equipment fee: Approx \$45

11CM1 CHEMISTRY – NCEA LEVEL 1 – leads to 12CM1 – contact Miss Pulham HOD Chemistry

Prerequisites

At least 60 Academic Graduation Points in the Y10 Science (10SI1) course **including** a 'Merit' grade or higher in the Chemistry section of the end of year exam. Students not meeting these criteria may apply for HOD approval for entry

Students will:

- Study the behaviour of matter in a practical based course
- Study laboratory techniques, atomic structure and bonding, elements, compounds and bonding, metals and their compounds, chemical reactions (types, simple calculations, identifying ions), organic chemistry (hydrocarbons, alcohols, carboxylic acids)

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS90930	Carry out a practical chemistry investigation, with direction	1	4	I		L1
AS91162	Carry out procedures to identify ions present in solution	2	3	I		
AS90932	Demonstrate understanding of aspects of carbon chemistry	1	4	E		
AS90934	Demonstrate understanding of aspects of chemical reactions	1	4	E		
AS90944	Demonstrate understanding of aspects of acids and bases	1	4	E		
Internal Achievement Standards: 7		External Achievement Standards: 12	Total: 19			

11CM1 - Supplementary materials/equipment fee: Approx \$30

11PYE PHYSICS ENRICHED – NCEA LEVEL 1 – leads to 12PYE – contact Mr Ashby HOD Physics

Prerequisites

At least 70 Academic Graduation Points in the Y10 Science (10SI1) course, including an 'Excellence' grade or higher in the Physics Section of the end of year exam and enrolled in 12MT1 or a Year 13 Mathematics course
OR HOD approval

Students will:

- Be prepared for NCEA assessment at Level 2
- Study mechanics at Level 2 NCEA
- Study waves, light, electricity, magnetism and nuclear physics at Level 1
- Learn and develop skills in understanding the world around them in terms of physics principles and concepts. Physics theory and beliefs are based on experimental data collected through proper experimental methods

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS90935	Carry out a practical physics investigation with direction	1	4	I		L1
AS90937	Demonstrate understanding of electricity and magnetism	1	4	E		L1
AS90938	Demonstrate understanding of waves	1	4	E		L1
AS90939	Demonstrate understanding of heat	1	4	E		L1
AS91171	Demonstrate understanding of mechanics	2	6	E	L1	L1
Internal Achievement Credits: 4		External Achievement Standards: 18		Total: 22		

11PYE - Supplementary materials/equipment fee: Approx \$35

11PY1 PHYSICS – NCEA LEVEL 1 – leads to 12PY1 – contact Mr Ashby HOD Physics

Prerequisites

At least 60 Academic Graduation Points in the Y10 Science (10SI1) course including a 'Merit' grade or higher in the Physics section of the end of year exam and enrolled in 11MT1 or higher
OR HOD approval

Students will:

- Prepare for NCEA assessment at Levels 1 and 2
- Study waves and light, mechanics, electricity and magnetism
- Learn and develop skills in understanding the world around them in terms of physics principles and concepts
- Learn that Physics theory and beliefs are based on experimental data collected through proper experimental methods

NUMBER	NAME OF STANDARD/DOMAIN: PHYSICS (PY)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS90935	Carry out a practical physics investigation with direction	1	4	I		L1
AS90937	Demonstrate understanding of aspects of electricity and magnetism	1	4	E		L1
AS90938	Demonstrate understanding of aspects of wave behaviour	1	4	E		L1
AS90939	Demonstrate an understanding of heat	1	4	E		L1
AS90940	Demonstrate understanding of aspects of mechanics	1	4	E		L1
Internal Achievement Standards: 4		External Achievement Standards: 16		Total: 20		

11PY1 - Supplementary materials/equipment fee: Approx \$34

11SI1 SCIENCE – NCEA LEVEL 1 – leads to 12PY, 12CM, 12B1, 12SI – contact Ms Whitlam HOF Science

Prerequisites

At least 60 Academic Graduation Points in the Y10 Science (10SI1) course, including a 'Merit' grade or higher in two of the end of year exam papers
OR HOD approval

Students will:

- Develop scientific understanding of the world we live in, scientific skills and attitudes for scientific investigations. This course is for students who wish to study one science at Year 11, but who may not want to specialise in a specific science
- Have the option of continuing with Level 2 Science or specialising in a specific science at Level 2
- Study The Living World – Genetics; The Physical World – Aspects of Mechanics / aspects of electricity and magnetism; The Material World – Aspects of Chemical reactions; The Nature of Science – Scientific Investigation

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS90930	Carry out a practical chemistry investigation, with direction	1	4	I		L1
AS90952	Demonstrate understanding of the formation of surface features in New Zealand.	1	4	I	L1	
AS90944	Demonstrate understanding of aspects of acids and bases	1	4	E		
AS90940	Demonstrate understanding of aspects of mechanics	1	4	E		L1
AS90948	Demonstrate understanding of biological ideas relating to genetic variation	1	4	E	L1	
Internal Achievement Standards: 8		External Achievement Standards: 12		Total: 20		

11SI1 - Supplementary materials/equipment fee: Approx \$30

11SI3 SCIENCE APPLIED– NCEA LEVEL 1 – leads to 12SI1 – contact Ms Whitlam HOF Science**Prerequisites**

NIL

- This course is tailored to meet student interests. The achievement standards listed are an indication only, others may be chosen if this is where student interest lies. The context is given in italics next to each standard.
- Through topics that interest them, students will develop a scientific understanding of the world we live in, scientific skills and attitudes for scientific investigations. This course is for students who find the general and single science courses too challenging, but still wish to gain Level 1 Science credits

NUMBER	NAME OF STANDARD/DOMAIN: SCIENCE (SI)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS90930	Carry out a practical chemistry investigation with direction <i>Explosions</i>	1	4	I		L1
AS90935	Carry out a practical physics investigation <i>Catapults</i>	1	4	I		
AS90936	Demonstrate understanding of the physics of an application <i>Nuclear bombs</i>	1	2	I	L1	
AS90942	Investigate implications of wave behaviour for everyday life. <i>Damaging my hearing with my ipod</i>	1	4	I	L1	
AS90949	Investigate life processes and environmental factors that affect them <i>Living on Waterworld</i>	1	4	I		
AS90927	Demonstrate understanding of biological ideas relating to micro-organisms <i>Pandemic</i>	1	4	I	L1	
Internal Achievement Standards: 22		Total: 22				

11SI3 - Supplementary materials/equipment fee: Approx \$30**11GE1 GEOGRAPHY - NCEA LEVEL 1 – leads to 12GE1 – contact Mr Adam HOD Geography****Prerequisites**

At least 40 Academic Graduation Points in the Y10 Social Studies (10SS1) course including an 'Achieved' grade or higher in the 10SS1 end of year exam OR HOD approval

Course information:

Geography is about people and places. Physical Geography explores the natural environment. Cultural Geography investigates people's activities, their use of resources and their impact on the environment. Topics covered include volcanic and hurricane hazards, population studies. Current geographic issues, local area studies and global patterns are also explored.

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91007	Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)	1	4	E	L1	
AS91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment	1	4	E		L1
AS91011	Conduct geographic research, with direction	1	4	I	L1	L1
AS91012	Describe aspects of a contemporary New Zealand geographic issue	1	3	I	L1	
AS91013	Describe aspects of a geographic environment at a global scale	1	3	1	L1	
Internal Achievement Standards: 10		External Achievement Standards: 8		Total: 18		

11GE1 - Supplementary materials/equipment fee: Approx \$30 for skills book.**11HI1 HISTORY - NCEA LEVEL 1 – leads to 12HI1 – contact Ms Markham HOD History****Prerequisites**

At least 50 Academic Graduation Points in the Y10 Social Studies (10SS1) course including an 'Achieved' grade or higher in the 10SS1 end of year exam OR HOD approval

Students will:

- Develop appropriate historical skills, research information and analyse historical events through cartoons, films and written material.
- Research an event from early 20th Century New Zealand history for an individual study project.
- Study national and international 20th Century events that are of significance to New Zealand.
- The course will focus on Conflict as a theme:
 - Racial Conflict: Slavery and Black Civil Rights in the USA and apartheid in South Africa
 - Global Conflict: The Palestine / Israel conflict in the Middle East
 - Social Conflict: Springbok Tour of New Zealand in 1981

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS91001	Carry out an historical investigation	1	4	I	L1
AS91002	Demonstrate understanding of an historical event or place of significance to New Zealanders	1	4	I	L1
AS91003	Interpret sources of an historical event of significance to New Zealanders	1	4	E	L1
AS91004	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders	1	4	I	L1
AS91005	Describe the causes and consequences of an historical event	1	4	E	L1
Internal Achievement Standards: 12		External Achievement Standards: 8		Total: 20	

11HI1 - Supplementary materials/equipment fee: \$5

11SS3 SOCIAL SCIENCE STUDIES - NCEA LEVEL 1 – contact Mrs Cato HOF Social Science**Prerequisites**

For students who do not qualify for entry into History or Geography
OR HOF approval

Students will:

- Cover a range of standards from the Earth Science, Geography and History subject areas. Emphasis is placed on improving basic skills and covering a range of credits at an 'Achieved' level. This course is designed for students with a lower ability level in this subject area. It **cannot** be taken in conjunction with either History or Geography

Note: As this course is fully internally assessed it is not eligible for course endorsement

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: SCIENCE (SI), GEOGRAPHY (GE), SOCIAL STUDIES (SOS)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS90955	SI	Investigate an astronomical or Earth science event	1	4	I	L1	
AS91011	GE	Conduct geographic research	1	4	I	L1	L1
AS91012	GE	Describe aspects of a contemporary NZ geographic issue	1	3	I	L1	
AS91013	GE	Describe aspects of a geographic topic at a global scale	1	3	I	L1	
AS91042	SOS	Report on personal involvement in a social justice and human rights action	1	4	I	L1	
AS91043	SOS	Describe a social justice and human rights action	1	4	I	L1	
Internal Achievement Standards: 22			External Achievement Standards: Nil			Total: 22	

11SS3 - Supplementary materials/equipment fee: Nil

11BC4 BUILDING & CARPENTRY – NCEA LEVEL 1 – leads to 12BC4/5 - contact Mr van Zyl HOF Technology**Prerequisites**

Completion of Year 10 Technology (10TP1)
AND/OR HOD approval

Students will:

- Work on set projects and develop practical carpentry skills
- The course has a practical component as well as an extensive written component which students are required to complete to achieve and gain credits
- The course is suitable for students considering an apprenticeship in the building/joinery/cabinetmaking industry

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
US24352*	Demonstrate knowledge of and apply safe working practices in the construction of a BCATS project	1	2	I
US24355*	Demonstrate knowledge of construction and manufacturing materials used in BCATS project	1	4	I
US24356*	Apply elementary workshop procedures and processes for BCATS projects	1	8	I
US25919*	Use hardware and fastenings for a BCATS project	1	2	I
US25920*	Use joints for a BCATS projects	1	3	I
US12927*	Identify, select, maintain and use hand tools for BCATS projects	2	6	I
Unit Standards: 25		Total: 25		

11BC4 - Supplementary materials/equipment fee: \$65

***Industry Training Organisation (ITO) unit standards**

11VC1 VISUAL COMMUNICATION – NCEA LEVEL 1 – leads to 12VC1 – contact Mr van Zyl HOF Technology**Prerequisites**

Completion of Year 10 Visual Communication (10VC1) gained at least 40 Academic Graduation Points in Year 10 English (10EN1) **including** an 'Achieved' in the 10EN1 end of year exam
AND/OR HOD approval

Students will:

- Complete a full NZQA designed DVC course. NCEA assessments will be detailed in the course booklet issued at the beginning of each year
Areas covered are environmental DVC (architecture), technological design (product design)
The internally assessed briefs will be used as part of the evidence for externally assessed work to be sent away for marking
- Will be required to supply their own DVC equipment: A3 folder, drawing instruments, pencils and set squares

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91063	Produce freehand sketches that communicate design ideas	1	3	E		
AS91065	Produce instrumental, paraline drawings to communicate design ideas	1	3	E		L1
AS91066	Use rendering techniques to communicate the form of design ideas	1	3	I		L1
AS91067	Use the work of an influential designer to inform design ideas	1	3	I		
AS91068	Undertake development of design ideas through DVC practice	1	6	I		
Internal Achievement Standards: 12		External Achievement Standards: 6		Total: 18		

11DV1 - Supplementary materials/equipment fee: \$55

11FC4 FOOD & CATERING - NCEA LEVEL 1 – leads to 12FH4 – contact Mrs Sood HOD Food Technology**Prerequisites:**

At least 40 Academic Graduation Points in Year 10 English (10EN1) including an 'Achieved' in the 10EN1 end of year exam OR HOD approval

This course is designed as an introduction to the Hospitality Industry for students who are eager to follow a pathway into the hospitality industry

Students will:

- Learn about food safety and hygiene
- Learn about different food types and preparation and serving techniques
- Develop basic practical skills

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	NAME OF STANDARD /DOMAIN: FOOD & CATERING (FC)	LEVEL	CREDITS	INT/EXT
US21058	Identify career pathways in the hospitality industry	1	2	I
US15900	Prepare and present meat in the hospitality industry	1	4	I
US15901	Prepare and present fruit and vegetables in the hospitality industry	1	3	I
US19770	Prepare and present egg and cheese dishes in the hospitality industry	1	2	I
US15919	Prepare and present hot finger food in the hospitality industry	1	2	I
US15920	Prepare and present sauce and soup in the hospitality industry	1	2	I
US15921	Prepare and cook a cake, a sponge and a batch of scones in the hospitality industry	1	3	I
US21059	Demonstrate knowledge of knife care, use, storage and carrying in the hospitality industry	1	2	I
Internal Unit Standards: Level 1		Internal Credits 20	Total: 20	

11FC4 - Supplementary materials/equipment fee: \$90 + Workbook

11FH4 FOOD & HOSPITALITY – NCEA LEVEL 1 – leads to 12FH4 – contact Mrs Sood HOD Food Technology**Prerequisites**

At least 40 Academic Graduation Points in Year 10 English (10EN1) including an 'Achieved' in the 10EN1 end of year exam OR HOD approval

Students will:

- Learn about food safety and hygiene and skills in food preparation
- Be encouraged to develop health enhancing attitudes to nutrition and to apply this knowledge to given situations designing the appropriate meal plans
- Gain an awareness of different cultures' eating and meal patterns and be introduced to factors influencing food choices

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
US21058	Identify career pathways in the hospitality industry	1	4	I
US15900	Prepare and present meat in the hospitality industry	1	4	I
US15901	Prepare and present fruit and vegetables in the hospitality industry	1	3	I
US19770	Prepare and present egg and cheese dishes in the hospitality industry	1	2	I
AS90956	Home Economics 1.1 – Demonstrate knowledge of an individual's nutritional needs	1	5	I
AS90958	Home Economics 1.3 – Demonstrate understanding of how cultural practices influence eating patterns In New Zealand	1	5	I
Internal Unit Standards: 13		Internal Achievement Standards: 10	Total: 21	

11FH4 - Supplementary materials/equipment fee: \$75 + workbook

11ME4 MECHANICAL ENGINEERING – NCEA LEVEL 1 – leads to 12ME4 – contact Mr van Zyl HOF Technology**Prerequisites**

Completion of Year 10 Technology (10TP1) AND/OR HOD approval

Students will:

- Gain practical mechanical engineering skills. The course is suitable for students interested in fitting, fitting, machining, welding, tool-making,
- automotive engineering and CNC programming
- Learn to shape, cut, weld and machine two to three high quality engineering projects which will be technically challenging

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
US22923	Demonstrate basic engineering workshop skills under close supervision	1	12	I
US22926	Demonstrate knowledge of safety procedures in a specific engineering workshop	1	2	I
US22924	Develop a simple product using engineering materials	1	10	I
Internal Unit Standards: 24		Total: 24		

11ME4 - Supplementary materials/equipment fee: \$65

11TP1 TECHNOLOGY PRODUCT DESIGN – NCEA LEVEL 1 – leads to 12TH1 – contact Mr van Zyl HOF Technology**Prerequisites**

Completion of Year 10 Technology (10TP1), gained at least 40 Academic Graduation Points in Year 10 English (10EN1) **including** an 'Achieved' in the 10EN1 end of year exam AND/OR HOD approval

Students will:

- Develop a technological solution that addresses the requirements of a given brief
- Cover the three main strands of technology – technological practice, technological knowledge and the nature of technology
- Use problem solving skills to work through a series of events to develop a solution, using a range of skills, research tools and processes
- The course has a very high literacy expectation/demand and requires good time management skills
- Need skills in design and evaluation as well as being able to research and document evidence relating to their design
- Drawing and presentation skills of students needs to be of a good standard as well as workshop skills and safety knowledge

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS91044	Undertake brief development to address a need or opportunity	1	4	I	L1
AS91046	Use design ideas to produce a conceptual design for an outcome to address a brief	1	6	I	
AS91048	Demonstrate understanding of how technological modelling supports decision making	1	4	E	L1
AS91052	Demonstrate understanding of the ways a technological outcome, people and social and physical Environments interact	1	4	I	L1
Internal Achievement Standards: 14		External Achievement Standards: 4		Total: 18	

11TP1 - Supplementary materials/equipment fee: \$60

11RM1 TE REO MĀORI - NCEA LEVEL 1 – leads to 12RMI – contact Ms Paul HOF Te Reo Māori**Prerequisites**

At least 60 Academic Graduation Points in Y10 Reo Māori AND an 'Achieved' grade or higher in the end of year exam OR HOD approval

Students will:

- Study five topics of work: Korero, Whakarongo, Hanga tuhi, Panui, Tuhi okawa

NUMBER	STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS91085	Whakarongo kia mohio ki te reo o tona ao	1	6	I	L1
AS91086	Korero kia whakamahi i te reo o tona ao	1	6	I	L1
AS91087	Panui kia mohio ki te reo o tona ao	1	6	E	L1
AS91088	Tuhi i te reo o tona ao	1	6	E	L1
AS91089	Waihanga tuhinga i te reo o tona ao	1	6	I	L1
Internal Achievement Standards: 18		External Achievement Standards: 12		Total: 30	

11RM1 - Supplementary materials/equipment fee: Approx \$40

11RR1 TE REO RANGATIRA – NCEA LEVEL 1 – leads to 12RRI – contact Ms Paul HOF Te Reo Māori**Prerequisites**

At least 18 credits in Level 3 Te Reo Māori (13RM1), including one external standard OR HOD approval

Students will:

- Study Korero, Whakarongo, Hanga Tuhi, Panui, Tuhituhi
- Undertake field trips
- Speak in Immersion settings

NUMBER	STANDARD	LEVEL	CREDITS	INT/EXT	LIT
AS90135	Whakarongo ki nga korero o tona ao	1	4	E	L1
AS90137	Panui i nga tuhinga huhua noa	1	4	E	L1
AS90801	Korero i te reo okawa	1	3	I	L1
AS90802	Korero i te reo opaki	1	3	I	L1
AS90803	Ata hangai i tetahi tuhinga	1	4	I	L1
AS90804	Tuhituhi korero e hangai ana ki te kaupapa	1	3	E	L1
AS90805	Matakītiki i te reo ataata	1	3	I	L1
Internal Achievement Standards: 13		External Achievement Standards: 11		Total: 24	

11RR1 - Supplementary materials/equipment fee: \$40

11MP4 TE WAHAROA – MĀORI PERFORMING ARTS – NCEA LEVEL 1 – leads to 12MP4 – contact Ms Paul HOF Te Reo Māori**Prerequisites**

At least 50 Academic Graduation Points in Y10 Reo Māori AND an 'Achieved' grade or higher in the end of year exam
OR HOD approval

Students will:

- Study Tikanga, Waiata, Powhiri, Performance, Atua, Resources

Note: Te Reo Māori achievement standards and Te Reo Māori unit standards at Levels 3 & 4 need to be completed as well as the above standards in order to be awarded the National Certificate in Māori Performing Arts Level 4

NUMBER/DOMAIN	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
US11923	Participate in the powhiri process in a supported learning context	1	3	I
US20947	Demonstrate knowledge and skills of ti rakau	1	3	I
US22752	Demonstrate performance components of Māori performing arts	1	3	I
US22753	Demonstrate knowledge of people associated with Māori performing arts	1	3	I
US22754	Demonstrate knowledge of the origins of Māori performing arts	1	4	I
US22755	Demonstrate knowledge of a Māori performing arts costume ensemble	1	3	I
US22756	Perform a Māori performing arts bracket	1	10	I
Unit Standards			Total: 29	

11MP4 - Supplementary materials/equipment fee: Approx \$40 Māori crafts

11KH3 KAPA HAKA – NCEA LEVEL 1 – contact Ms Paul HOF Te Reo Māori**Prerequisites**

Students must register in Term 4, 2016 with HOD Maori and follow Kapa Haka programme
AND HOD approval

Students will:

- Undertake a practical course that will cover all areas of competitive Kapa Haka performance
- Study Tikanga, Waiata, Powhiri, Performance, Resources

Note: All students must

Meet a minimum 85% attendance at all Kapa Haka scheduled practices, wānanga, meetings and performances
AND

Must make the (final) performance team, including reserves

This class is run outside the timetable with attendance taken during terms 1 and 4

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN REO MĀORI (RM)	LEVEL	CREDITS	INT/EXT
AS90859	DN	Demonstrate ensemble skills in a dance.	1	4	I
AS90002	DN	Perform dance sequences	1	6	I
US22756	MP	Perform a Maori performing arts bracket	3	10	I
Unit / Achievement Standards			Total: 20		

11KH3 - Supplementary materials/equipment fee: \$120

12DN1 DANCE – NCEA LEVEL 2 – leads to 13DN1 – contact Ms Cesan HOD Dance

Prerequisites

At least 14 credits in Level 1 Dance (11DN1), 4 of which must be from an external standard OR HOD approval

Students will:

- Choreograph group and solo dances from given and devised themes
- Perform in choreographed theatre dance works
- Learn and perform an ethnic or social dance
- Demonstrate knowledge of influences on a selected dance genre
- View and analyse dance performances

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: DANCE (DN)	LEVEL	CREDITS	INT/EXT	LIT
AS91205	DN	Choreograph a group dance to communicate an intention	2	4	I	
AS91206	DN	Choreograph a solo dance to communicate an intention	2	4	I	
AS91207 **	DN	Perform an ethnic or social dance to communicate an understanding of the style	2	4	I	
AS91208	DN	Perform in a theatre dance work to communicate an understanding of the dance	2	4	I	
AS91209	DN	Perform a repertoire of dance	2	6	I	
AS91210 **	DN	Demonstrate an understanding of choreographic processes	2	4	I	
AS91211	DN	Provide an understanding of a dance performance with supporting evidence	2	4	E	L1 UELW
AS91212 **	DN	Demonstrate understanding of a dance genre in context	2	4	E	L1 UELW
<i>** IN 2015 Students will complete ONE of these standards in addition to the others to make up their 24 credits.</i>						
Internal Achievement Standards: 26			External Achievement Standards: 8		Total: 34	

12DN1 - Supplementary materials/equipment fee: Approx \$25

12DR1 DRAMA – NCEA LEVEL 2 – leads to 13DR1 – contact Dr McGregor – HOD Drama

Prerequisites

At least 14 credits in Level 1 Drama (11DR1), 4 of which must be from an external standard OR HOD approval

Students will:

- Learn to use Drama techniques
- Explore contemporary theatre practitioners, with particular reference to Brecht
- Attend at least one live theatre performance
- Present a major class production which will be performed to family and friends at an evening performance

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: DRAMA PERFORMANCE (DP) DRAMA CREATION (DC), DRAMA STUDIES (DS)	LEVEL	CREDITS	INT/EXT	LIT
AS91213	DP	Apply drama techniques in a scripted context	2	4	I	L1 UELR
AS91214	DC	Devise and perform a drama to realise an intention	2	5	I	L1
AS91215	DS	Discuss a drama or theatre form or period with reference to a text	2	4	E	L1 UELRW
AS91216	DP	Use complex performance skills associated with a drama or theatre form or period	2	4	I	L1 UELR
AS91217	DS	Examine the work of a playwright	2	4	I	L1 UELR
AS91218	DP	Perform a substantial acting role in a scripted production	2	5	I	L1 UELR
AS91219	DS	Discuss drama elements, techniques, conventions and technologies within live performance	2	4	E	L1 UELW
AS91220	DC	Script a scene suitable for drama performance	2	4	I	L1 UELW
AS91221	DC	Direct a scene for drama performance	2	4	I	L1 UELR
<i>** While there are 9 Achievement Standards available, students will complete 3 Internal and 2 External Achievement Standards</i>						
Internal Achievement Standards: 14			External Achievements: 8		Total 22	

12DR1 – Supplementary materials/equipment fee: \$70

12MU1 MUSIC – NCEA LEVEL 2 – leads to 13MU1 – contact Mrs Zjajic-Moon HOD Music

Prerequisites

At least 16 credits in Level 1 Music (11MU1), including the credits from at least one external achievement standard OR HOD approval

Evidence of a musical background in both performance and theory will have to be shown. Students must continue to have lessons on their major instrument and be part of a school music group approved by the HOD

Students will:

- Study performance, composition, instrumentation, aural analysis of music, score reading and musical knowledge
- This course leads to Level 3
- Complete one external achievement standard to allow for course endorsement
- Standards selected from the list below

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: MAKING MUSIC (MM) MUSIC STUDIES (MS)	LEVEL	CREDITS	INT/EXTL	LIT
AS91270	MM	Perform two substantial pieces of music as a featured soloist	2	6	I	
AS91271	MM	Compose 2 substantial pieces of music	2	6	I	
AS91272	MM	Demonstrate ensemble skills by performing substantial piece of music as a member of a group	2	4	I	
AS91273	MS	Devise an instrumentation for an ensemble	2	4	I	
AS91274	MM	Perform a substantial piece of music as a featured soloist on a second instrument (optional)	2	3	I	
AS91275	MS	Demonstrate aural understanding through written representation (optional)	3	4	E	
AS91276	MS	Demonstrate knowledge of conventions in a range of music scores	3	4	E	L1
AS91277	MS	Demonstrate understanding of two substantial contrasting music works (optional)	3	6	E	L1
AS91278	MS	Investigate an aspect of NZ music	2	4	I	L1
Internal Achievement Standards: 27			External Achievement Standards: 14		Total: 41	

12MU1 - Supplementary materials/equipment fee: Nil

12DS1 DESIGN - NCEA LEVEL 2 – leads to 13DS1 – contact Ms Aleh HOD Visual Art

Prerequisites

At least 16 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1)
OR HOD approval for portfolio submitted before the end of Term 3

- The course prepares students for the first stages of a career in Design & Communication or any other of the many related design or architectural careers. Students are taught the basic principles of design and the ways that designers work. They will learn about the design process and how to apply this process to a range of design tasks, including graphic design, package design, typographic layout and the use of computers as a design tool
- The aim of this course is to provide students with a thorough grounding in Design, which involves understanding a design brief, how to carry out research, generating ideas and developing these ideas in a systematic way, through to the finished artwork
- Drawing plays a major part in this course as the central means of generating ideas. Drawing is carried out by hand in conventional ways and also by using a computer (Adobe Creative Suite)
- This course leads to Level 3 Design and Visual Arts. It will also support entry to Level 3 Painting and Photography with HOD approval

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: DESIGN	LEVEL	CREDITS	INT/EXT
AS91305	DS	Demonstrate an understanding of methods and ideas from established practice appropriate to design* (optional)	2	4	L1 lit
AS91310	DS	Use drawing methods to apply knowledge of conventions appropriate to design	2	4	I
AS91315	DS	Develop ideas in a related series of drawings appropriate to established design	2	4	I
AS91320	DS	Produce a systematic body of work that shows understanding of art making conventions and ideas within design	2	12	E
Internal Achievement Standards: 8 -12			External Achievement Standards: 12		Total: 20-24

12DS1 - Supplementary materials/equipment fee: Approx \$100

12PN1 PAINTING - NCEA LEVEL 2 – leads to 13PN1 – contact Mr Rees TIC Painting

Prerequisites

At least 16 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1), (Photography and Design in 2016)
OR HOD approval (with portfolio) gained before end of Term 3

Students will work on an individually led programme based around a common theme that may extend into Year 13

- The course aims to develop a student's understanding of established painting practice, conventions and methods through the study of artist models
- Students learn the skills to analyse and identify ideas and see the links between established painting models to help them develop informed painting practice
- Skills and techniques learnt at this level directly support progress in to Year 13 Painting

This course leads to Level 3 Painting and Visual Arts. It will also support entry to Level 3 Design and Photography with HOD approval

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: PAINTING (PN)	LEVEL	CREDITS	INT/EXT
AS91308	PN	Demonstrate an understanding of methods and ideas from established practice appropriate to painting	2	4	L1 lit
AS91311	PN	Use drawing methods to apply knowledge of conventions appropriate to painting	2	4	I
AS91316	PN	Develop ideas in a related series of drawings appropriate to established painting practice	2	4	I
AS91321	PN	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	2	12	E
Internal Achievement Standards: 8 -12			External Achievement Standards: 12		Total: 24

12PN1 - Supplementary materials/equipment fee: Approx \$110

12PH1 PHOTOGRAPHY - NCEA LEVEL 2 – leads to 13PH1 – contact Ms Schwalger TIC Photography

Prerequisites

At least 16 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1)
OR HOD approval for portfolio submitted before the end of Term 3

Students need to have access to their own digital camera, 8MP or above

- Students learn how to use manual camera functions to control exposure and how to use studio lighting equipment. Students will mainly use digital photography including digital file management, using scanners, printers and Adobe Creative Suite (Photoshop and InDesign)
- Students generate and develop ideas, using drawing methods related to established practice, and use drawing materials, processes and techniques with skills appropriate to photography. Students will extend their work into their own individual folio which will be presented as a body of work over 2 A1 size panels.

NUMBER/DOMAIN	NAME OF STANDARD / DOMAIN: PHOTOGRAPHY (PH)	LEVEL	CREDITS	INT/EXT	
AS91307	PH	Demonstrate an understanding of methods and ideas from established practice appropriate to photography	2	4	L1 lit
AS91317	PH	Develop ideas in a related series of drawings appropriate to established photography practice	2	4	I
AS91322	PH	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	2	12	E
Internal Achievement Standards: 8 - 12		External Achievement Standards: 12		Total: 20	

12PH1 - Supplementary materials/equipment fee: Approx \$90

12AR1 PRINTMAKING & SCULPTURE (VISUAL ART) - NCEA LEVEL 2 – leads to 13AR2 – contact Ms Aleh HOD Visual Art

Prerequisites

At least 16 credits in Level 1 Painting (11PN1) or Level 1 Design & Photography (11PH1) OR HOD approval for portfolio submitted before the end of Term 3

- The aim of this course is to allow you to follow a guided pathway in order to produce original work; you will be required to extend your knowledge of sculpture and printmaking methods, ideas, processes, procedures, conventions and techniques
- You will develop and use the skill of research, analysis and discussion, you will need to investigate a range of ideas and methods relevant to your study and you will need to use drawing to systematically and purposefully generate, analyse and clarify your ideas

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: VISUAL ART (AR)	LEVEL	CREDITS	INT/EXT
AS91313	AR	Use drawing methods to apply knowledge of conventions appropriate to printmaking	2	4	I
AS91324	AR	Produce a systematic body of work that shows understanding of art making conventions and ideas within printmaking.	2	12	E
AS9134	AS	Use drawing methods to apply knowledge of conventions appropriate to sculpture	2	4	I
Internal Achievement Standards: 8 External Achievement Standards: 12			Total: 20		

12AR1 - Supplementary materials/equipment fee: Approx \$100

12AH1 HISTORY OF ART – NCEA LEVEL 2 – leads to 13AH1 – contact Ms Sampson TIC Art History

Prerequisites

At least 4 externally assessed Achievement Standard credits and at least 7 more Achievement Standard credits in Level 1 English (11EN1) or History (11HI1) totalling 11 credits

Students will:

- Be studying the period of 1780 – 1900; known as ‘Towards Modernism.’ During the course of the year they will study artists artworks and art movements within their historical contexts of revolution, rebellion and dramatic industrial change. The course complements such subjects as English, History, Classical Studies and Art
- Students considering Scholarship Art in Year 13 are recommended to take this course. Art History is an excellent course to take as preparation for legal studies because of the emphasis on constructing written arguments

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ART HISTORY (AH)	LEVEL	CREDITS	INT/EXT	LIT
AS91180	AH	Examine the effects of formal elements of art works	2	4	E	L1 UELW
AS91182	AH	Examine the meanings conveyed by art works	2	4	E	L1 UELW
AS91181	AH	Examine the influence of context(s) on art works	2	4	E	L1 UELW
AS91183	AH	Examine how media are used to create effects in art works	2	4	I	L1 UELR
AS91184	AH	Communicate an understanding of an Art History topic	2	4	I	L1 UELR
Internal Achievement Standards: 8 External Achievement Standards: 12			Total: 20			

12AH1 - Supplementary materials/equipment fee: Approx \$30

12AP4 ASPIRE – NCEA LEVEL 2 - leads to Tertiary courses / employment – contact Mr Witten-Hannah HOF Careers

Prerequisites

For students who have yet to achieve NCEA Level 1

Students will:

- Develop skills to manage the transition from school to further education or employment
- Investigate possible future career paths and learn a range of relevant life skills
- Have the opportunity to gain their First Aid Certificate and to complete a CV
- Literacy standards in this course as required

NUM	DOMAIN	NAME OF STANDARD / DOMAIN: WORK AND STUDY SKILLS (WSS), SELF MANAGEMENT (SM), ADVENTURE BASED LEARNING (ABL), FIRST AID (FA), EARLY CHILDHOOD (EC) SOCIAL COOPERATIVE SKILLS (SCS)	LEVEL	CREDITS	INT/EXT
US504	WSS	Produce a CV (Curriculum Vitae)	1	2	I
US548	SM	Demonstrate knowledge of management of alcohol and other drugs	1	2	I
US6670		Provide short term basic care for a child	1	4	I
US6400	FA	Manage first aid in emergency situations	3	2	I
US10781		Produce a plan for own future direction	2	3	I
US26551	FA	Provide first aid for life threatening conditions	2	1	I
US26552	FA	Demonstrate knowledge of common first aid conditions	2	1	I
US10021	ECC	Describe the basic needs of children in an ECE service	2	3	I
US12355	SM	Demonstrate knowledge of stress and ways of dealing with it	2	2	I
US4261	SCS	Identify legal rights and obligations in relation to owning and operating a private motor vehicle	2	3	I
		Literacy standards as required			
Total Unit Standard Credits: 16 plus literacy credits					

12AP4 - Supplementary materials/equipment fee: Nil

12GW4 GATEWAY – NCEA LEVEL 2 - leads to Tertiary courses / employment – contact Mr Witten-Hannah HOF Careers

Prerequisites

Achieved Level 1 NCEA (or approximately 70 credits)

Selection through application and interview with HOD or Gateway Coordinator

Students will:

- Have the opportunity to gain work experience in a field they are interested in
- Attend a work placement one day a week for a minimum of 10 weeks
- Students are expected to achieve work related Unit Standards
- Gain credits and important life skills through class units
- Have the opportunity to gain their First Aid Certificate and to complete a CV

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: WORK AND STUDY SKILLS (WSS), SELF MANAGEMENT (SM), ADVENTURE BASED LEARNING (ABL), FIRST AID (FA), EARLY CHILDHOOD (EC) SOCIAL COOPERATIVE SKILLS (SCS), OCCUPATIONAL HEALTH & SAFETY PRACTICE (OSH)	LEVEL	CREDITS	INT/EXT
US548	SM	Demonstrate knowledge of management of alcohol and other drugs	1	2	I
US497		Health and Safety in the Workplace	1	3	I
US1294		Be interviewed in a formal interview	2	2	I
US1299		Be assertive in a range of specified situations	2	4	I
US4252	WSS	Produce a targeted resume	2	2	I
US4261	SCS	Identify legal rights and obligations in relation to owning and operating a private motor vehicle	2	3	I
US6400	FA	Manage first aid in emergency situations	3	2	I
US6552	FA	Demonstrate knowledge of common first aid conditions	2	1	I
US9677		Participate in a team or group which has an Objective	2	3	I
US10781	WSS	Produce a plan for own future directions	2	3	I
US12352	SM	Describe aspects of one's own lineage, heritage and cultural identity	2	3	I
US12355	SM	Demonstrate knowledge of stress and ways of dealing with it	2	2	I
US24699	PFM	Make an informed decision relating to personal income and evaluate its consequences	2	2	I
US26551	FA	Provide first aid for life threatening conditions	2	1	I
Total Unit Standard Credits: 33					

12GW4 - Supplementary materials/equipment fee: Nil

CENTRE OF EXCELLENCE IN AGRICULTURAL SCIENCE AND BUSINESS

Mount Albert Grammar is one of only 10 schools nationwide to offer a programme in Agricultural Science and Business

It is a two-year programme that is designed to inspire students to pursue tertiary study in wide range of agricultural based career pathways
Agriculture generates 70% of New Zealand merchandise exports and 12% of the country's GDP.

Year 12 and 13 students with either a strong background in Commerce and/or Science are encouraged to select this programme of study

Students involved in the Centre of Excellence programme will be expected to take;

in Year 12

- Level 2 English (12ENE, 12EN1)
- At least one Science subjects (Biology, Chemistry-**strongly recommend**, or Physics); OR at least one Commerce subject (Accounting, Business Studies, or Economics)
- Agribusiness

The Agribusiness course focuses on the agricultural sector both on the farm and beyond the farm gate. The course covers areas such as Agri-innovation (future proofing), Agri-science (plant biology, food science, soil science), Agri-management and finance (cash forecasting, business ownership) and Agri-marketing (adding value to products).

12AB1 AGRIBUSINESS - NCEA LEVEL 2 – leads to 13AB1 – contact Ms S Hayes – HOF Commerce

Prerequisites:

At least 12 credits from 11BIE or 11B1 or 11PYE or Achieved or better in 2 external standards in 11CME or 11CM1 or 16 credits in 11S1 or HOF approval

Co-requisites for Centre of Excellence:

Either 12BIE, 12Bi1, 12B2, 12CME, 12CM1, 12CM2, 12PYE, 12PY1, 12PY2, 12AC1, 12BU1, 12EC1

Students will:

- Focus of the agricultural sector both on the farm and beyond the farm gate. The course covers areas such as Agri-innovation (future proofing), Agri-science (plant biology, food science, soil science), Agri-management and finance (cash forecasting, business ownership) and Agri-marketing (adding value to products).

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
To be confirmed	Demonstrate understanding of how future proofing is used to manage risks in primary production	2	4	E	
To be confirmed	Demonstrate knowledge of food science in an agribusiness context	2	4	I	
To be confirmed	Demonstrate understanding of cash flow forecasting and operating finance for an agribusiness	2	4	I	
To be confirmed	Investigate an agrimarketing opportunity for an agribusiness	2	4	I	
To be confirmed	Demonstrate knowledge of adding value to the supply chain from consumer to the producer	2	4	I	L1
Internal Achievement Standards: 16 External Achievement Standards: 4 Total: 20					

12AB1 – Supplementary materials/equipment fee: This course will include field trips. The cost of these will be given prior to each trip.

12AC1 ACCOUNTING 1 – NCEA LEVEL 2 – leads to 13AC1 – contact Ms Hayes HOF Commerce**Prerequisites**

At least 15 credits in Level 1 Accounting (11AC1) including achieved or better in AS90977 and AS90978
OR HOD approval

Students will:

- Focus on acquiring and developing business-related accounting skills and theory, learning to process more complex transactions and how to prepare financial statements manually and by computer
- Investigate and report on accounting subsystems as well as analysing and interpreting sole proprietor statements in more detail than at Level 1

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ACCOUNTING (AC)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91174	AC	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems	2	4	E	L1	
AS91175	AC	Demonstrate understanding of accounting processing using accounting software	2	4	I		L1
AS91176	AC	Prepare financial information for an entity that operates accounting subsystems	2	5	E		L1
AS91177	AC	Interpret accounting information for entities that operate accounting subsystems	2	4	E	L1	L1
AS91179	AC	Demonstrate understanding of an accounts receivable subsystem for an entity	2	3	I	L1	L1
Internal Achievement Standards: 7			External Achievement Standards: 13			Total: 20	

12AC1 - Supplementary material/equipment fee: Approx \$40

12AC2 ACCOUNTING 2 – NCEA LEVEL 2 – leads to 13AC1 – contact Ms Hayes HOF Commerce**Prerequisites**

NCEA Level 1

Students will:

- Study basic financial processing, reporting and analysis skills in preparation for achievement standards at Levels 1 and 2
- This course is aimed at students who have not studied Accounting at Year 11, or have not met the prerequisites for Level 2 Accounting 1 (12AC1)
Success in this course will assist entry into Level 3 Accounting

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ACCOUNTING (AC)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91175	AC	Demonstrate understanding of accounting processing using accounting software	2	4	I		L1
AS91176	AC	Prepare financial information for an entity that operates accounting subsystems	2	5	E		L1
AS91177	AC	Interpret accounting information for entities that operate accounting subsystems	2	4	E	L1	L1
AS91179	AC	Demonstrate understanding of an accounts receivable subsystem for an entity	2	3	I	L1	L1
Internal Achievement Standards: 7			External Achievement Standards: 9			Total: 16	

12AC2 - Supplementary material/equipment fee: Approx \$40

12BU1 BUSINESS – NCEA LEVEL 2 – leads to 13BU1 – contact Ms Hayes HOF Commerce**Prerequisites**

At least 14 credits in Level 1 Business (11BU1), including achieved or better in AS90842
OR HOD approval

Students will:

- Investigate the internal operations of a large business and how it responds to external factors
- Investigate the application of motivation theory in business
- Carry out, review and refine a business activity within a community

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: BUSINESS STUDIES (BU)	LEVEL	CREDITS	INT/EXT	LIT
AS90843	BU	Demonstrate understanding of the internal operations of a large business	2	4	E	L1
AS90844	BU	Demonstrate understanding of the external operations of a large business	2	4	E	L1
AS90847	BU	Investigate the application of motivation theory in a business	2	3	I	L1
AS90848	BU	Carry out, review and refine a business activity within a community context with guidance	2	9	I	L1
Internal Achievement Standards: 12			External Achievement Standards: 8			Total: 20

12BU1 - Supplementary material/equipment fee: Approx \$30

12CO4 COMMERCE STUDIES – NCEA LEVEL 2 - leads to 13CO4 – contact Ms Hayes HOF Commerce**Prerequisites**

At least 60 Level 1 credits and Level 1 Literacy and Level 1 Numeracy
OR HOD approval

Students will:

- Develop the skills to make financially literate decisions, involving insurance, employment rights, banking, setting financial goals and purchasing goods

NUMBER	DOMAIN	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
US1979	Wk & Sty	Describe an employment relationship, and the application of employment law to that relationship	2	3	Int
US7127	Self Mgt	Exercise informed choice in deciding on a major goods or service purchase	2	2	Int
US24699	Fin Mgt	Make an informed decision relating to personal income and explain its consequences	2	2	Int
US28092	Fin Mgt	Analyse the effect of significant life events at different life stages on personal financial income	2	3	Int
US28094	Fin Mgt	Produce a balanced budget and adjust the budget to reflect changing financial circumstances	2	3	Int
US28097	Fin Mgt	Evaluate and select personal banking products and services in relation to personal financial needs	2	3	Int
Internal Unit Standards: 19 credits			Total: 19 credits		

12CO4 - Supplementary material/equipment fee: Nil

12EC1 ECONOMICS 1 – NCEA LEVEL 2 – leads to 13EC1 – contact Mrs Farquhar HOD Economics

Prerequisites

At least 12 credits in Level 1 Economics (11EC1)

OR HOD approval and with the completion of a home study catch-up course

Students will:

- Explore the issues of employment, trade, inflation, growth in the New Zealand economy
- Learn to define and measure these issues as well as analyse their causes and possible effects on NZ Society
- Study policies a government may use to address problems with the issues
- Gain an understanding of the interdependent nature of the economy by examining the impact government policies have on various groups and to appreciate that these may have unequal consequences

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ECONOMICS (EC)	LEVEL	CREDITS	INT/EXT	LIT
AS91222	EC	Analyse inflation using economic concepts and models	2	4	E	L1 UELW
AS91223	EC	Analyse international trade using economic concepts and models	2	4	E	L1 UELW
AS91224	EC	Analyse economic growth using economic concepts and models	2	4	E	L1 UELW
AS91227	EC	Analyse how government policies and contemporary economic issues interact	2	6	I	L1 UELR
Internal Achievement Standards: 10			External Achievement Standards: 12			Total: 22

12EC1 - Supplementary material/equipment fee: Approx \$40

12EC2 ECONOMICS 2 – NCEA LEVEL 2 – can lead to 13EC1 – contact Mrs Farquhar HOD Economics

Prerequisites

NCEA Level 1

Students will:

- Study basic economic vocabulary, concepts and skills, preparing for achievement standards at Levels 2
- It includes the Unemployment, Inflation and Growth topics at Level 2. Success in this course will assist entry into Level 3 Economics

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ECONOMICS (EC)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91222	EC	Analyse inflation using economic concepts and models	2	4	E	L1 UELW	
AS91225	EC	Analyse unemployment using economic concepts and models	2	4	I	L1	
AS91226	EC	Analyse statistical data relating to two contemporary issues	2	4	I	L1	L1
AS91228	EC	Analyse a contemporary economic issue of special interest using economic concepts and models	2	4	I	L1 UELR	
Internal Achievement Standards: 8			External Achievement Standards: 8			Total: 16	

12EC2 - Supplementary material/equipment fee: Approx \$30

12ENE ENGLISH ENRICHED – NCEA LEVEL 2 – leads to 13EN1 – contact Mrs Mason HOF English

Prerequisites

At least 17 credits in Level 1 English of which 8 credits are from Level 1 externally assessed English standards. All internal and external standards must be at Merit or Excellence. Students also must have gained Course endorsement at Merit or Excellence for Level 1 English

Students will:

- Study film, an extended text and short texts
- Develop a love of literature through reading and viewing a range of texts from a variety of authors and cultures
- Write in a range of styles, developing their essay writing skills and producing a portfolio of writing
- Learn to locate, select and integrate information from a range of sources for a research project.

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ENGLISH (EN)	LEVEL	CREDITS	INT/EXT	LIT
AS91101	E	Produce a selection of crafted and controlled writing	2	6	I	L1 UELW
AS91104	E	Analyse significant connections across texts, supported by evidence	2	4	I	
AS91098	E	Analyse specified aspect(s) of studied written text(s), supported by evidence	2	4	E	L1 UELRW
AS91099	E	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	2	4	E	L1 UELW
AS91100	E	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	2	4	E	L1 UELRW
AS 91106	E	Form developed personal responses to independently read texts, supported by evidence	2	4	I	L1 UELRW
Internal Achievement Standards: 10			External Achievement Standards: 12			Total: 22

12ENE - Supplementary materials/equipment fee: Approx \$10

- The allocated standards for this course are subject to change in 2017

12EN1 ENGLISH 1 – NCEA LEVEL 2 – leads to 13EN1 – contact Mrs Mason HOF English**Prerequisites**

At least 11 credits in Level 1 English of which 4 credits are from externally assessed achievement standards
OR HOF approval

Students will:

- Study and analyse film, and either an extended text or short texts, as preparation for two literature essays in the Exam
- Write in a range of styles, developing their essay writing skills and producing a portfolio of writing
- Learn to locate, select and integrate information from a range of sources for a research project

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ENGLISH (E)	LEVEL	CREDITS	INT/EXT	LIT
AS91101	E	Produce a selection of crafted and controlled writing	2	6	I	L1 UELW
AS91102	E	Construct and deliver a crafted and controlled oral text	2	3	I	L1
AS91105	E	Use information literacy skills to form developed conclusion(s)	2	4	I	L1 UELR
AS91098	E	Analyse specified aspect(s) of studied written text(s), supported by evidence	2	4	E	L1 UELRW
AS91099	E	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	2	4	E	L1 ULEW
Internal Achievement Standards: 13			External Achievement Standards: 8		Total: 21	

12EN1 - Supplementary materials/equipment fee: Approx \$10

12EN3 ENGLISH 3 – NCEA LEVEL 2 – leads to 13EN3 – contact Mrs Mason HOF English**Prerequisites**

10 or less Level 1 Literacy credits from the English Department Achievement Standards
OR HOF Discretionary Placement
OR Teacher Recommendation

Students will:

- Read and engage with a wide range of texts with the aim of improving vocabulary, communication and awareness of ideas within and beyond text
 - Practise and develop writing skills with a focus on fluency, accuracy and sophistication of ideas
 - Deliver a speech and design a visual text
 - Study how a film is made
 - Have the opportunity to gain credits in a range of skills at either Level 1 or Level 2
- ** Standards Selected from the list below:

SKILL	NUMBER	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT
Writing **	AS90052	Produce creative writing	1	3	I	L1
	AS90053	Produce formal writing	1	3	I	L1
	AS91101	Produce a selection of crafted and controlled writing	2	6	I	L1 & UELW
Oral Presentation **	AS90857	Construct and deliver an oral text	1	3	I	L1
	AS91102	Construct and deliver a crafted and controlled oral text	2	3	I	L1
Study Visual Text **	AS90855	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	1	3	I	L1
	AS91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	2	3	I	L1 & UELW
Create Visual Text **	AS90855	Create a visual text	1	3	I	L1
	AS91103	Create a crafted and controlled visual and verbal text	2	3	I	L1
Internal Achievement Standards: 15			External Achievement Standards: Nil		Total: 15	

Supplementary materials/equipment fee: Approx \$10

* The allocated standards for this course are subject to change in 2017

12MD1 MEDIA STUDIES – NCEA LEVEL 2) – leads to 13MD1 – contact Mr Allen HOD Media Studies**Prerequisites**

At least 15 credits in Level 1 English, which includes 4 credits from either AS90849 or AS90850
Any exceptions are at the discretion of HOD Media Studies

Students will:

- Examine how the media represents different groups of people
- Study a specific film genre
- Learn the skills of close reading of media texts so they can respond to the products of others as well as their own
- Apply the knowledge they have gained about media conventions and technology and plan and create their own media production

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: MEDIA STUDIES (MS)	LEVEL	CREDITS	INT/EXT	LIT
AS91249	MS	Demonstrate understanding of narrative in media texts	2	4	I	L1
AS91250	MS	Demonstrate understanding of representation in the media	2	3	I	L1
AS91251	MS	Demonstrate understanding of an aspect of a media genre	2	4	E	L1 UELRW
AS91252	MS	Produce a design and plan for a developed media product using a range of conventions	2	4	I	L1
AS91253	MS	Complete a developed media product from a design and plan using a range of conventions	2	6	I	L1
Internal Achievement Standards: 17			External Achievement Standards: 4		Total: 21	

12MD1 - Supplementary materials/equipment fee: \$5

12CS1 CLASSICAL STUDIES – NCEA LEVEL 2 – leads to 13CS1 – contact Mr Cave HOD Classics**Prerequisites**

At least 12 Level 1 English reading and/or writing credits

OR 8 Level 1 English reading and/or writing credits plus 8 Level 1 History credits

OR HOD approval

Students will:

- Be introduced to aspects of history, literature and art in ancient Greece and Rome. Topics include Greek mythology, Homer's Odyssey and Greek architecture and sculpture

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ART HISTORY (AH)	LEVEL	CREDITS	INT/EXT	LIT
AS91200	AH	Examine ideas and values of the classical world	2	4	E	UELRW
AS91201	AH	Examine the significance of features of works of art in the classical world	2	4	E	UELRW
AS91202	AH	Demonstrate understanding of a significant event in the classical world	2	4	I	UELR
AS91204	AH	Demonstrate understanding of the relationship between aspects of the classical world and aspects other cultures	2	6	I	UELR
Internal Achievement Standards: 10			External Achievement Standards: 8		Total: 18	

12CS1 - Supplementary materials/equipment fee: Approx \$15**12CH1 CHINESE – NCEA LEVEL 2 – leads on to 13CH1 – contact Ms Selaries HOF Languages****Prerequisites**

At least 14 credits in Level 1 Chinese (11CH1)

OR Teacher in Charge approval

Students will:

- Study self-introduction, city and environment, house and furniture, school life, health, entertainment, media, travel and customs

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CHINESE (CH)	LEVEL	CREDITS	INT/EXT
AS91108	CH	Demonstrate understanding of a variety of spoken Chinese texts on familiar matters	2	5	E
AS91110	CH	Give a spoken presentation in Chinese that communicates information, ideas and opinions	2	4	I
AS91111	CH	Demonstrate understanding of a variety of written and/or visual Chinese text(s) on familiar matters	2	5	E
AS91112	CH	Write a variety of text types in Chinese to convey information, ideas, and opinions in genuine contexts	2	5	I
Internal Achievement Standards: 9			External Achievement Standards: 10		Total: 19

12CH1 - Supplementary materials/equipment fee: Approx \$30

Cost includes annual subscription to Language Perfect and a workbook

12FR1 FRENCH – NCEA LEVEL 2 – leads to 13FR1 - contact Ms Selaries HOF Languages**Prerequisites**

At least 14 credits in Level 1 French (11FR1)

OR Teacher in Charge approval

Students will:

- Study It's not easy being young, travel abroad and in New Zealand, health and the environment, the world of work, from the present to the past and selected literature and film studies

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: FRENCH (FR)	LEVEL	CREDITS	INT/EXT
AS91118	FR	Demonstrate understanding of a variety of spoken French on familiar matters	2	5	E
AS91120	FR	Give a prepared spoken presentation in French on a less familiar topic. Re-assessment is possible	2	4	I
AS91121	FR	Demonstrate understanding of a variety of written and/or visual French text(s) on familiar matters	2	5	E
AS91122	FR	Write a variety of text types in French to convey information, ideas and opinions in genuine contexts	2	5	I
Internal Achievement Standards: 9			External Achievement Standards: 10		Total: 19

12FR1 - Supplementary materials/equipment fee: Approx \$55

Cost includes annual subscription to Language Perfect and a workbook

12GM1 GERMAN – NCEA LEVEL 1 – leads to 13GM1 - contact Mr Gibbs HOD German

Prerequisites

At least 14 credits in Level 1 German (11GM1)

OR Teacher in Charge approval

Students will:

- Study Our changing world, trends, leisure, my future, health and well-being, personal relationships, traditional stories, Switzerland/Austria

NUMBER /DOMAIN	NAME OF STANDARD / DOMAIN:GERMAN (G)	LEVEL	CREDITS	INT/EXT	
AS91123	G	Demonstrate understanding of a variety of spoken German texts on familiar matters	2	5	E
AS91125	G	Give a spoken presentation in German that communicates information, ideas and opinions	2	4	I
AS91126	G	Demonstrate understanding of a variety of written and/or visual text(s) on familiar matters	2	5	E
AS91127	G	Write a variety of text types in German to convey information, ideas and opinions in genuine contexts	2	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10	Total: 19		

12GM1 - Supplementary materials/equipment fee: Approx \$30

Cost includes annual subscription to Language Perfect and a workbook

12JP1 JAPANESE – NCEA LEVEL 2 – leads to leads to 13JP1 - contact Ms Selaries HOF Languages

Prerequisites

At least 14 credits in Level 1 Japanese (11JP1)

OR Teacher in Charge approval

Students will:

- Study family life, eating and drinking, schooling, leisure activities

NUMBER/DOMAIN	NAME OF STANDARD / DOMAIN	LEVEL	CREDITS	INT/EXT
AS91133	Demonstrate understanding of a variety of spoken Japanese texts on familiar matters	2	5	E
AS91135	Give a spoken presentation in Japanese that communicates information, ideas and opinions	2	4	I
AS91136	Demonstrate understanding of a variety of written and/or visual Japanese text(s) on familiar matters	2	5	E
AS91137	Write a variety of text types in Japanese to convey information, ideas, and opinions in genuine contexts	2	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10	Total: 19	

12JP1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and a workbook

12LS4 LEARNING SUPPORT – NCEA LEVEL 2 – leads to 13LS4 – contact Mrs Drake HOF Learner Support

Prerequisites

HOD approval

Course Information:

Students who find a Learning Support course useful are:

- Those who need extra time to learn concepts or develop skills in their other subjects
- Those for whom the existing courses are not relevant
- Those who wish to undertake courses not available in the school which are more suited to their learning needs

The Learning Centre offers a range of alternative education options for students at all levels. An individual learning plan is developed in consultation with students, parents and teachers. Outside providers such as tertiary providers and the Correspondence School contribute to a wide range of alternative learning options.

Supplementary materials/equipment fee: Approx \$10

12LF4 LIFT – NCEA LEVEL 2 – leads to 13LF4 – contact Mrs Drake HOF Learner Support**Prerequisites**

HOD approval

Course Information:

1. LIFT has been designed as a personal development course teaching skills that are linked to life experience and the academic needs of the workplace
2. LIFT stands for **Learning Intensively for Future Training**. The course involves a series of individual challenges or projects related to unit standards for literacy, numeracy, financial literacy, career planning, employment skills and self-management. Teachers help, guide and encourage individual excellence. At all levels students produce a portfolio of work to meet the criteria for personal development unit standards. The programme begins at Year 11 and continues to Year 13, but a student may begin at any level
3. Students may occasionally require materials from home, e.g. cooking ingredients
4. Students in Year 12 will attempt the functional numeracy and literacy Level 1 credits (if required)

The following standards will form the basis for the student portfolio. The student and teacher will select standards for a personalised learning programme. Alternative and additional standards from the same domains may be added.

NUMBER	DOMAIN	STANDARD/DOMAIN: GENERIC COMPUTING (GC), PERSONAL FINANCIAL MANAGEMENT (PFM), SELF MANAGEMENT (SM), SOCIAL & COOPERATIVE SKILLS (SC), WORK & STUDY SKILLS (WS)	LEVEL	CREDITS	NT/EXT
US1827	SM	Identify support services and resources within the community	2	2	I
US 7118	WS	Manage own learning programme	2	3	I
US 2989	Read	Select, read and assess texts to gain knowledge	2	3	I
US1294	IC	Be interviewed in a formal interview	2	2	I
US12349	SM	Demonstrate knowledge of time management	2	3	I
US8824	WS	Research a topic using oral, visual & written sources and evaluate the research process	2	2	I
US12354	SM	Describe implications of independent living, including renting and flatting	2	4	I
US5940	GC	Produce a presentation using a desktop presentation computer application	2	3	I
Unit Standards				Total: 23	

12LF4 - Supplementary materials/equipment fee: Approx \$15**12MC1 CALCULUS – NCEA LEVEL 2 – leads to 13MC1 – contact Mr Sangster HOF Mathematics****Prerequisites**

At least Merit in AS91027 (Algebra), AS91028 (Graphs), AS91029 (Linear Algebra), AS91031 (Geometric Reasoning) and Achieved in AS91269 (Systems of Equations) PLUS at least 65% in the MAGS Algebra Skills Test

OR HOD approval

Students will:

- Gain strength in Mathematics to enable them to proceed on to Calculus at Level 3

NUMBER	NAME OF STANDARD / DOMAIN	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91257	Apply graphical methods in solving problems	2	4	I		L1
AS91259	Apply trigonometric relationships in solving problems	2	3	I		L1
AS91261	Apply algebraic methods in solving problems	2	4	E		L1
AS91262	Apply calculus methods in solving problems	2	5	E		L1
AS91574	Apply linear programming methods in solving problems	3	3	I		L1
AS91587	Apply linear systems in solving problems	3	3	I		L1
Internal Achievement Standards: 13		External Achievement Standards: 9		Total: 22		

12MC1 - Supplementary materials/equipment: Approx \$50**12MS1 STATISTICS – NCEA LEVEL 2 – leads to 13MS1 – contact Mr Sangster HOF Mathematics**

From 11MT1 at least Achieved in AS91027 (Algebra), AS91028 (Graphs) and AS91029 (Linear Algebra) from 11MT2 a Merit in AS91035 (Multi-variate Data) and AS91038 (Elements of Chance), PLUS at least 45% in the MAGS Algebra Skills Test

OR HOD approval

Students will:

- Gain strength in Statistics to enable them to proceed on at Level 3

NUMBER	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91263	Design a questionnaire	2	3	I		L1
AS91264	Use statistical methods to make an inference	2	4	I		L1
AS91265	Conduct an experiment to investigate a situation using statistical methods	2	3	I	L1	L1
AS91266	Evaluate a statistically based report	2	2	I	L1	L1
AS91267	Apply probability methods in solving problems	2	4	E	L1	L1
AS91268	Investigate a situation using a simulation	2	2	I	L1	L1
Internal Achievement Standards: 14		External Achievement Standards: 4		Total: 18		

12MS1 - Supplementary materials/equipment: Approx \$50

12MT1 MATHEMATICS 1 – NCEA LEVEL 2 – leads to 13MC1, 13MS1, 13MT1 or 13MT3 – contact Mr Sangster HOF Mathematics

Prerequisites

At least Merit in AS91027 (Algebra), AS91028 (Graphs) and AS91029 (Linear Algebra) [and AS91031 (Geometric Reasoning) from 11MT1], and from 11MT2, Achieved in AS91035 (Multivariate Data) and AS91038 (Elements of Chance), PLUS at least 55% in the MAGS Algebra Skills Test OR HOD approval

Students will:

- Gain strength in Mathematics to enable them to proceed on to Level 3 mathematics courses.

NUMBER	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91257	Apply graphical methods in solving problems	2	4	I		L1
AS91261	Apply algebraic methods in solving problems	2	4	E		L1
AS91262	Apply calculus methods in solving problems	2	5	E		L1
AS91264	Use statistical methods to make an inference	2	4	I	L1	L1
AS91267	Apply probability methods in solving problems	2	4	E	L1	L1
Internal Achievement Standards: 8		External Achievement Standards: 13		Total: 21		

12MT1 - Supplementary materials/equipment: Approx \$50

12MT3 MATHEMATICS 3 – NCEA LEVEL 2 – leads to 13MT3 – contact Mr Sangster HOF Mathematics

Prerequisites

Students who took 11MT3 – Head of Department Approval, but generally Achieved in AS91027 (Algebra), AS91029 (Linear Algebra), AS91032 (Right-angled Triangles), AS91035 (Multivariate Data) and AS91038 (Elements of Chance).

Students who took 11MT2: Achieved in AS91027 (Algebra), AS91028 (Graphs), AS91029 (Linear Algebra), AS91035 (Multivariate Data) and AS91038 (Elements of Chance) plus at least 35% in the MAGS Algebra Skills Test

OR HOD approval

The course is designed for those students who successfully completed Level 1 Mathematics (11MT3) or Level 1 Mathematics (11MT2) and would like to study further Mathematics at Level 2.

The number of topics and credits offered to each group will reflect the ability of that group. It is not intended that this course would allow students to progress to the Level 3 Statistics 13MS1 or Level 3 Calculus 13MC1 or Level 3 Mathematics 13MT1 courses, but students may be able to progress to the Level 3 13MT3 course.

NUMBER	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT
AS91256	Apply coordinate geometry methods in solving problems	2	2	I
AS91259	Apply trigonometric relationships in solving problems	2	3	I
AS91260	Use networks in solving problems	2	2	I
AS91264	Use statistical methods to make an inference	2	4	I
AS91265	Conduct an experiment to investigate a situation using statistical methods	2	3	I
AS91268	Investigate a situation using a simulation	2	2	I
AS91269	Apply systems of equations in solving problems	2	2	I
Internal Achievement Standards: 18		External Achievement Standards: 0		Total: 18

12MT3 - Supplementary materials/equipment: Approx \$50

12HE1 HEALTH – NCEA LEVEL 2 – leads to 13HE1 – contact Ms Lythe HOD Health

Prerequisites

At least 15 credits in Level 1 Health (11HE1), 'Achieved' or better in AS90975 external OR HOD approval

Students will:

- Study adolescent health issues such as alcohol misuse, wellbeing and taking action in the community, managing change and resilience, gender and sexuality and health promotion
- Need to have sound written English skills

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: HEALTH & PHYSICAL EDUCATION (HE)	LEVEL	CREDITS	INT/EXT	LIT
AS91235	HE	Analyse an adolescent health issue	2	5	E	L1
AS91236	HE	Evaluate factors that influence people's ability to manage change	2	5	I	L1
AS91237	HE	Take action to enhance an aspect of people's wellbeing within the school or wider community	2	5	I	L1
AS91239	HE	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	2	5	I	L1
Internal Achievement Standards: 15			External Achievement Standards: 5		Total: 20	

12HE1 - Supplementary materials/equipment fee: Approx \$15

12OE3 OUTDOOR EDUCATION - NCEA LEVEL 2 – leads to 13OE1 – contact Mr Whitehead HOD Outdoor Education

Prerequisites

At least 11 credits in Year 11 Outdoor Education (11OE1) and paid 11OE1 subject fee in full
OR 40 Academic Graduation points in Year 10 Outdoor Education (10OE1) and paid 10OE1 subject fee in full
OR HOD approval

Students will:

- Be provided with the opportunity for personal and social development through a model of social responsibility to include group cooperation, coping with adversity, leadership and problem solving
- Develop their risk management skills, planning and problem solving abilities
- Participate in outdoor pursuits that could include: low and high ropes, scuba diving, mountain biking, tramping, camping, climbing, kayaking

For more information on the 'Education Outside The Classroom' for this course please visit the MAGS Outdoor Education YouTube channel: <https://www.youtube.com/user/MAGSOutdoorEducation>

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: PHYSICAL EDUCATION (PE),ADVENTURE BASED LEARNING (ABL) OUTDOOR RECREATION (OR)	LEVEL	CREDITS	INT/EXT	LIT
AS91330	PE	Perform a physical activity in an applied setting	2	4	I	
AS91333	PE	Analyse the application of risk management strategies to a challenging outdoor activity	2	3	I	L1
AS91334	PE	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	2	3	I	
AS91335	PE	Examine the implementation and outcome(s) of a physical activity event or opportunity	2	3	I	
US467	ABL	Demonstrate personal and social development through participation in adventure based learning	2	3	I	
US470	ABL	Demonstrate group and personal skills using the low elements of a ropes course	2	3	I	
US473	ABL	Demonstrate group and personal skills using the high elements of a ropes course	2	3	I	
US20138	OR	Select, set up and maintain a mountain bike	2	3	I	
US425	OR	Experience day tramps	2	3	I	
US426	OR	Experience camping	2	3	I	
Internal Achievement Standards: 13			Internal Unit Standards: 18 (Credits at Level 2 = 18)		Total: 31	

12OE3 - Supplementary materials/equipment fee: Approx. \$650

12PF1 PE PERFORMANCE– NCEA LEVEL 2 – leads to 13PF1 – contact Mr Dempster HOF Physical Education

Prerequisites

At least 16 credits in Level 1 Performance (11PF1 & 11PFR & 11OE1) including Achieved or better in AS90963
OR HOD approval

Course Information:

This course is designed to further extend your knowledge and understanding of physical education concepts. These include the role and importance of physical activity in our daily lives, the significance of physical activity in society and understanding biophysical principles in learning skills and improving performance.

Students will:

- Study the development of specific sports skills, analysis of anatomy, biomechanics and physiology of the body, as well as investigating influences and societal factors on the involvement of young people in physical activity

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT
AS91327	PE	Examine the role and significance of physical activity in the lives of young people in New Zealand	2	3	I	L1
AS91328	PE	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	2	5	I	L1
AS91329	PE	Demonstrate understanding of the application of biophysical principles to training for physical activity	2	4	I	L1
AS91330	PE	Perform a physical activity in an applied setting	2	4	I	
AS91335	PE	Examine the implementation and outcome(s) of a physical activity event or opportunity	2	3	I	L1
Internal Achievement Standards: 19			External Achievement Standards: Nil		Total: 19	

12PF1 - Supplementary materials/equipment fee: Approx \$105

12SL4 SPORTS LEADERSHIP - NCEA LEVEL 2 – leads to 13SC4 - contact Mr Dempster HOF Physical Education

Prerequisites

At least 10 Achievement Standard credits in any Level 1 Physical Education course
OR HOD approval

Students will:

- Be put in leadership situations including a teaching experience at a local primary school
- Study units in fitness, building to a 10km run; sports coaching/leadership; anatomy; Turbo Touch
- Study units from the Manukau Institute of Technology in the course

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: FITNESS EDUCATION(FE) AVANTAGE BASED LEARNING (ABL)	LEVEL	CREDITS	INT/EXT	LIT
US505	FE	Manage personal physical fitness with guidance	1	3	I	
US467	ABL	Demonstrate personal and social development through participation in adventure based learning	2	3	I	
US21649	SSC	Apply knowledge of basic anatomy to the Sport performance of sport skills	2	3	I	
US22770	STC	Demonstrate knowledge of sports coaching, the coaching environment and sport participants' needs	2	4	I	
AS 91332		Leading a group- Evaluate leadership strategies that contribute to the effective functioning of a group	2	4	I	L1
AS 91330		Perform a physical activity in an applied situation- Turbo Touch	2	4	I	
Internal Achievement Standards: 21			External Achievement Standards: Nil		Total: 21	

12SL4 - Supplementary materials/equipment fee: Approx \$60

CENTRE OF EXCELLENCE IN AGRICULTURAL SCIENCE AND BUSINESS

Mount Albert Grammar is one of only 10 schools national wide to offer a programme in Agricultural Science and Business

It is a two-year programme that is designed to inspire students to pursue tertiary study in wide range of agricultural based career pathways. Agriculture generates 70% of New Zealand merchandise exports and 12% of the country's GDP.

Year 12 and 13 students with either a strong background in Commerce and/or Science are encouraged to select this programme of study.

Students involved in the Centre of Excellence programme will be expected to take;

in Year 12

- Level 2 English (12ENE, 12EN1)
- At least one Science subjects (Biology, Chemistry-**strongly recommend**, or Physics); OR at least one Commerce subject (Accounting, Business Studies, or Economics)
- Agribusiness

12AB1 AGRIBUSINESS - NCEA LEVEL 2 – leads to 13AB1 – contact Ms S Hayes – HOF Commerce

Prerequisites

At least 12 credits in 11BIE OR 11B1 OR 11PYE OR 11PY1 OR Achieved or better in 2 externals standards in 11CME OR 11CM1 OR 16 credits in 11SI1 OR HOF approval

Students will:

- Focus of the agricultural sector both on the farm and beyond the farm gate. The course covers areas such as Agri-innovation (future proofing), Agri-science (plant biology, food science, soil science), Agri-management and finance (cash forecasting, business ownership) and Agri-marketing (adding value to products).

NUMBER	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT	LIT
To be confirmed	Demonstrate understanding of how future proofing is used to manage risks in primary production	2	4	E	
To be confirmed	Demonstrate knowledge of food science in an agribusiness context	2	4	I	
To be confirmed	Demonstrate understanding of cash flow forecasting and operating finance for an agribusiness	2	4	I	
To be confirmed	Investigate an agrimarketing opportunity for an agribusiness	2	4	I	
To be confirmed	Demonstrate knowledge of adding value to the supply chain from consumer to the producer	2	4	I	
Internal Achievement Standards: 16		External Achievement Standards: 4		Total: 20	

12AB1 – Supplementary materials/equipment fee: This course will include field trips. The cost of these will be given prior to each trip.

12AG1 AGRICULTURAL and HORTICULTURAL SCIENCE – NCEA LEVEL 2 – leads to 13HA1 – contact Miss Daffin

HOD Agriculture/Horticulture

Prerequisites

At least 10 credits in Level 1 Horticulture (11HR1)

OR at least 10 credits in Biology (11B1) including AS90167

OR HOD approval

Students will:

- Gain valuable agricultural and horticultural knowledge and essential skills in plant and animal husbandry, with a focus on production methods and influencing livestock and plant growth and development
- Build on the knowledge they have gained in Level 1 and provide a sound base to continue study at Level 3 and Scholarship

NUMBER	DOMAIN	AGRICULTURAL AND HORTICULTURAL SCIENCE (AHS)	LEVEL	CREDITS	INT/EXT	LIT
AS91290	AHS	Demonstrate understanding of techniques used to modify physical factors of the environment for NZ plant production	2	4	E	L2
AS91292	AHS	Demonstrate understanding of how management practices influence plants growth and development in NZ commercial production	2	4	I	L2
AS91293	AHS	Demonstrate understanding of livestock reproductive techniques in commercial production in NZ	2	4	I	L2
AS91294	AHS	Demonstrate understanding of how NZ commercial management practices influence livestock growth and development	2	4	E	L2
AS91297	AHS	Demonstrate understanding of land use for primary production in NZ	2	4	E	L2
AS91298	AHS	Report on the environmental impact of the production of a locally produced primary product	2	4	I	L2
Internal Achievement Standards: 12			External Achievement Standards: 12		Total: 24	

12AH1 - Supplementary materials/equipment fee: Approx \$45

12AG4 AGRICULTURAL SCIENCE – NCEA LEVEL 2 – leads to 13AG4 – contact Miss Daffin HOD Agriculture/Horticulture

Prerequisites

Students must have studied Level 1 Agricultural Science (11AG4)
AND at least 18 unit standard credits in 11 Agricultural Science (11AG4) including Achievement of US19044
OR HOD approval

All students must be able to demonstrate their ability to listen to and follow instructions for the safety of all students, staff and visitors.
Places are limited. Meeting the prerequisite does not guarantee a place on the course.

Students will:

- Develop an understanding of agricultural management practice with a sound foundation in theoretical and practical aspects
- Gain extensive experience on the school farm
- Gain credits towards NCEA Level 2
- Study ATV and Tractor Health/Safety, Animal Behaviour, Welfare, Anatomy and Physiology, Agricultural Impacts, Electric Fencing

NUMBER	NAME OF STANDARD/DOMAIN:	LEVEL	CREDITS	INT/EXT
US18	Demonstrate knowledge of animal anatomy and physiology	3	4	I
US19116	Demonstrate knowledge of livestock behaviour and animal welfare	2	2	I
US24542	Demonstrate knowledge of an agriculture impact on soils	2	3	I
US24552	Check and drive a basic wheel tractor with an attached implement on flat terrain	2	5	I
US24835	Identify the location of a fault in electric fences, and replace electric fence components	2	3	I
US24557	Demonstrate knowledge of the safe operation of an All Terrain Vehicle (ATV)	2	3	I
Unit Standards		20	Total: 20	

12AG4 - Supplementary materials/equipment fee: Approx \$45

12BIE BIOLOGY ENRICHED - NCEA LEVEL 2 – leads to 13BIE and Scholarship – contact Miss Dunham HOD Biology

Prerequisites

Students must have completed the Year 11 Biology Enriched course (11BIE)
At least 3 'Merit' grades in the External Achievement standards in the 11BIE Biology course and Level 1 numeracy and at least 14 credits in Level 1 English

Students will:

- Follow a rigorously academic course designed to extend the able student. Level 3 processes leading to evolution is studied during this course
This course is endorsable

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: BIOLOGY (BI)	LEVEL	CREDITS	I	NT/EXT	LIT
AS 91153	BI	Carry out a practical investigation in a biology context with supervision	2	4		I	Numeracy
AS 91156	BI	Demonstrate understanding of life processes at the cellular level	2	4		E	Y
AS 91158	BI	Investigate a pattern in an ecological community, with supervision	2	4		I	Y
AS 91159	BI	Demonstrate understanding of gene expression	2	4		E	Y
AS 91605	BI	Demonstrate understanding of evolutionary processes leading to speciation	3	4		E	Y
Internal Achievement Standards: 8			External Achievement Standards: 12			Total: 20	

12BIE - Supplementary materials/equipment fee: Approx \$52

12BI1 BIOLOGY – NCEA LEVEL 2 – leads to 13BI1 – contact Miss Dunham HOD Biology

Prerequisites

At least 'Merit' in AS91157 and 'Achieved' in AS90928 and AS90929 in the External Achievement Standards in L1 Biology, Level 1 numeracy and literacy.
A student coming from 11SC1 course must have gained at least a 'Merit' grade in AS91157 Genetics standard and 'Achieved' in the other two externals.
OR HOD approval

Students will:

- Follow a rigorously academic course, which covers all the Level 2 achievement standards. This course is endorsable and is a University approved course

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: BIOLOGY (BI)	LEVEL	CREDITS	INT/EXT	LIT
AS91153	BI	Carry out a practical investigation in a biology context, with supervision	2	4	I	Num
AS91156	BI	Demonstrate understanding of life processes at the cellular level	2	4	E	Y
AS91157	BI	Demonstrate understanding of genetic variation and change	2	4	E	Y
AS91158	BI	Investigate a pattern in an ecological community, with supervision	2	4	I	Y
AS91159	BI	Demonstrate understanding of gene expression	2	4	E	Y
Internal Achievement Standards: 8			External Achievement Standards: 12			Total: 20

12BI1 - Supplementary materials/equipment fee: Approx \$52

12BI2 BIOLOGY – NCEA LEVEL 2 – leads to 13BI2 – contact Miss Dunham HOD Biology**Prerequisites**

At least 'Achieved' in AS91157 L1 Genetics and 'Achieved' in one other L1 Biology or Science External Achievement Standard, Level 1 numeracy and literacy
Open to Y12 and 13 students only
OR HOD approval

Students will:

- This course is for those students who struggle with the more abstract concepts in Biology. One less standard is covered over the year when compared with 12BI1. This allows more time to be spent on the existing standards
- This course is endorsable and is a University approved course

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: BIOLOGY (BI)	LEVEL	CREDITS	INT/EXT	LIT
AS91154	BI	Analyse the biological validity of information presented to the public	2	3	I	Y
AS91157	BI	Demonstrate understanding of genetic variation and change	2	4	E	Y
AS91158	BI	Investigate a pattern in an ecological community, with supervision	2	4	I	Y
AS91159	BI	Demonstrate understanding of gene expression	2	4	E	Y
AS91160	BI	Investigate biological material at the microscopic level	2	3	I	
Internal Achievement Standards: 10			External Achievement Standards: 8		Total: 18	

12BI2 - Supplementary materials/equipment fee: Approx \$50

12CME CHEMISTRY ENRICHED - NCEA LEVEL 2 – leads to 13CME – contact Ms Pulham HOD Chemistry**Prerequisites**

At least 3 Merit grades in the External Achievement standards in the Year 11 Chemistry (11CME) course

Students will:

- Follow a rigorously academic course designed to extend the able student. Level 3 Organic Chemistry is studied during this course
- This course is endorsable and is a University approved course

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CHEMISTRY (C)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91161	C	Carry out quantitative analysis	2	4	I		L1
AS91164	C	Demonstrate understanding of bonding, structure, properties and energy changes	2	5	E	L1	
AS91166	C	Demonstrate understanding of chemical reactivity	2	4	E	L1	
AS91167	C	Demonstrate understanding of oxidation-reduction	2	3	I		
AS91391	C	Describe aspect of organic chemistry	3	5	E	L1	
Internal Achievement Standards: 7			External Achievement Standards: 14		Total: 21		

12CME - Supplementary materials/equipment fee: Approx \$45

12CM1 CHEMISTRY – NCEA LEVEL 2 – leads to 13CM1 – contact M Pulham HOD Chemistry**Prerequisites**

1 'Merit' and 2 'Achieved' grades in the External Achievement standards in Level 1 Chemistry
OR HOD approval

A student coming from the 11S11 course must have gained at least a Merit grade in the Science Achievement Standard (Acids and Bases standard) and a Merit in one other Science standard.

This is a rigorously academic course, which covers all the Level 2 Achievement Standards. This course is endorsable and will lead into 13CM1 which is a university approved course.

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CHEMISTRY (C)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91161	C	Carry out a quantitative analysis	2	4	I		L1
AS91164	C	Demonstrate an understanding of bonding, structure, properties and energy changes	2	5	E	L1	
AS91165	C	Demonstrate understanding of the properties of selected organic compounds	2	4	E	L1	
AS91166	C	Demonstrate understanding of chemical reactivity	2	4	E	L1	
AS91167	C	Demonstrate understanding of oxidation-reduction	2	3	I		
Internal Achievement Standards: 7			External Achievement Standards: 13		Total: 20		

12CM1 - Supplementary materials/equipment fee: Approx \$35

12CM2 CHEMISTRY – NCEA LEVEL 2 – leads to 13CM2 – contact Ms Pulham HOD Chemistry**Prerequisites**

At least 2 'Achieved' grades in the External Achievement Standards in Level 1 Chemistry
OR HOD approval

A student coming from the 11Sci course must have gained at least a Merit grade in the Science Achievement Standard (Acids and Bases standard) paper and an Achieved in one other Science standard.

This course is for those students who struggle with the more abstract and mathematical concepts in Chemistry. One less standard is covered over the year when compared with 12CM1. This allows more time to be spent on the other two standards. This course is endorsable and will lead into 13CM2 which is a university approved course.

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CHEMISTRY (C)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91161	C	Carry out quantitative analysis	2	4	I		L1
AS91164	C	Demonstrate understanding of bonding, structure, properties and energy changes	2	5	E	L1	
AS91165	C	Demonstrate understanding of the properties of selected organic compounds	2	4	E	L1	
AS91167	C	Demonstrate understanding of oxidation-reduction	2	3	I		
Internal Achievement Standards: 7			External Achievement Standards: 9		Total: 16		

12CM2 - Supplementary materials/equipment fee: Approx \$35

12SE1 EARTH AND SPACE SCIENCE – NCEA LEVEL 2 – leads to 13SE1 – contact Mr Dockery HOD Earth & Space Science**Prerequisites**

At least 12 credits in Y11 Science and L1 numeracy
OR HOD approval

Open to Year 12 and 13 students only

Students will:

- Develop a scientific understanding of aspects of physics, effects of tectonics including the world's structure, the solar system and the universe
- Be expected to continue with Level 3 Earth and Space Science

Note: AS91172 overlaps with Level 2 Physics, and AS91160 overlaps with Level 2 Biology

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: EARTH AND SPACE SCIENCE	LEVEL	CREDITS	INT	EXT	LIT
AS91160	B	Investigate biological material at the microscopic level	2	3	I		
AS91172	P	Demonstrate understanding of atomic and nuclear physics	2	3	I		
AS91187	ESS	Carry out a practical earth and space science investigation	2	4	I	L1	L1
AS91190	ESS	Investigate how organisms survive in an extreme environment	2	4	I	L1	
AS91191	ESS	Demonstrate understanding of the causes of extreme Earth events in New Zealand	2	4	E		
AS91192	ESS	Demonstrate understanding of stars and planetary systems	2	4	E	L1	
Internal Achievement Standards: 14			External Achievement Credits: 8		Total: 22 credits		

12ES1 - Supplementary materials/equipment fee: Approx \$30

12PYE PHYSICS ENRICHED – NCEA LEVEL 2 – leads to 13PY1 OR 13PYE – contact Mr Ashby HOD Physics**Prerequisites**

Students must have completed the Year 11 Physics Enriched (11PYE) course, and attained Merit or better in AS91171, AS90937 and AS90938 and AS90939 in 2016

OR have completed 11PY1 course in 2016 and gained Excellence in all external achievement standards

OR HOD approval

Students will:

- Study mechanics, electromagnetism, waves, with an additional topic in nuclear physics. The topics contained in the achievement standards studied at this level are the same as the prerequisites for Level 2
- Be expected to gain entry for scholarship Calculus or have achieved a scholarship in Calculus in the previous year
- All achievement standards in this enriched course are at Level 3 supported with teaching at the merit to excellence level of Level 3

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: PHYSICS ENRICHED (P)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91168	P	Carry out a practical investigation that leads to a non-linear mathematical relationship	2	4	I	L1	L1
AS91172	P	Demonstrate an understanding of atomic and nuclear physics	2	3	I	L1	
AS91170	P	Demonstrate understanding of waves	2	4	E	L1	L1
AS91524	P	Demonstrate understanding of mechanics	3	6	E	L1	
AS91173	P	Demonstrate understanding of electricity and magnetism	2	6	E	L1	L1
Internal Achievement Standards: 7			External Achievement Standards: 16		Total: 23		

12PYE - Supplementary materials/equipment fee: Approx \$45

12PY1 PHYSICS – NCEA LEVEL 2 – leads to 13PY1 – contact Mr Ashby HOD Physics

Prerequisites

From 11PY1: At least a Merit in AS90940 AND at least an Achieved in AS90937, AS90938 and AS90939 AND enrolled in 12MT1 or higher

From 11S1: Passed all three externals, including AS90940 at Merit or higher AND enrolled in 12MT1 or higher

OR HOD approval

Open to Year 12 and 13 students only

Students will:

- Prepare for NCEA assessment at Level 2
- Study waves and light, mechanics, electricity and magnetism
- Have the opportunity to gain credits for Level 3 Physics by carrying out a practical investigation with a non-linear mathematical relationship requiring the use of expert experimental skills

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91168	P	Carry out a practical investigation that leads to a non-linear mathematical relationship	2	4	I	L1	L1
AS91172	P	Demonstrate an understanding of atomic and nuclear physics	2	3	I	L1	
AS91170	P	Demonstrate understanding of waves	2	4	E	L1	L1
AS91171	P	Demonstrate understanding of mechanics	2	6	E	L1	L1
AS91173	p	Demonstrate understanding of electricity and magnetism	2	6	E	L1	L1
Internal Achievement Standards: 7			External Achievement Standards: 16		Total: 23		

12PY1 - Supplementary materials/equipment fee: Approx \$45

12PY2 PHYSICS – NCEA LEVEL 2 – leads to 13PY2** – contact Mr Ashby HOD Physics

Prerequisites

Achieved in the L1 Mechanics External, Achieved in one other External from the 11PY1 course and Achieved in 91027 Algebra External AS in 2016

A student coming from the 11S1 course must have gained a 'Merit' grade in the 'Mechanics' External AS, an Achieved in one other Level 1 Science External AS, and Achieved in 91027 Algebra External AS in 2016

OR HOD approval

Open to Year 12 and 13 students only

** The 13PY2 course does not meet the Physics entry requirements of the BE (Hons) Degree at the University of Auckland.

Students will:

- Prepare for NCEA assessment at Level 2
- Study waves and light, mechanics, electricity and magnetism
- Have the opportunity to gain credits for Level 3 Physics by carrying out a practical investigation with a non-linear mathematical relationship requiring the expert experimental skills

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91168	P	Carry out a practical investigation that leads to a non-linear mathematical relationship	2	4	I	L1	L1
AS91172	P	Demonstrate an understanding of atomic and nuclear physics	2	3	I	L1	
AS91171	P	Demonstrate understanding of mechanics	2	6	E	L1	L1
AS91173	P	Demonstrate understanding of electricity and magnetism	2	6	E	L1	L1
Internal Achievement Standards: 7			External Achievement Standards: 12		Total: 19		

12PY2 - Supplementary materials/equipment fee: Approx \$45

12GE1 GEOGRAPHY - NCEA LEVEL 2 – leads to 13GE1 – contact Mr Adam HOD Geography

Prerequisites

At least 11 credits in Level 1 Geography (11GE1) including 'Achieved' or better in one externally assessed standards

OR HOD approval

Students will:

- Complete a detailed analysis of natural landscapes
- Go on a field study of Arataki for a research assignment
- Cultural Geography investigates people's activities, their use of resources and their impact on the environment. Topics include a natural environment and the reasons for, and differences between, rich and poor countries. Global inequalities are also examined

NUMBER /DOMAIN	NAME OF STANDARD / DOMAIN: GEOGRAPHY (GE)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91240	GE	Demonstrate geographic understanding of a large natural environment	2	4	E	L1 UELRW
AS91242	GE	Demonstrate geographic understanding of differences in development	2	4	E	L1 UELRW
AS91243	GE	Apply concepts and skills to demonstrate understanding of a given environment	2	4	E	L1
AS91244	GE	Conduct geographic research with guidance	2	5	I	L1
AS91245	GE	Explain Aspects of a contemporary issue	2	3	I	L1
AS91241	GE	Demonstrate geographic understanding of an urban pattern	2	3	I	L1
Internal Achievement Standards: 11			External Achievement Standards: 12		Total: 23	

12GE1 - Supplementary materials/equipment fee: Approx \$30 for skills book (Field trips cost: \$50 approx)

12HI1 HISTORY - NCEA LEVEL 2 – leads to 13HI1 – contact Mrs Markham HOD History

Prerequisites

At least 16 credits in Level 1 History (11HI1) including an 'Achieved' or better in AS91005
OR HOD Approval (Students can pick up L2 History, without having studied L1 History but must have HOD approval)

Students will:

- Continue to develop skills in finding and presenting information, deciding what is relevant, distinguishing fact from opinion and structuring an essay
- Examine historical forces and movements such as Nationalism and Imperialism that have shaped the world we live in and impacted on New Zealand through the study of Vietnam and the conflict in Indo-China, failure of the Weimar Republic and the rise of Hitler, and an individual project

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: HISTORY (H)	LEVEL	CREDITS	INT/EXT	LIT
AS91229	H	Carry out an inquiry of an historical event or place that is of significance to New Zealanders	2	4	I	L UELR
AS91230	H	Examine an historical event or place that is of significance to New Zealanders	2	5	I	L1 UELR
AS91231	H	Examine sources of a historical event that is of significance to New Zealanders	2	4	E	L1 UELRW
AS91232	H	Interpret different perspectives of people in a historical event that is of significance to New Zealanders	2	5	I	L1 UELR
AS91233	H	Examine causes and consequences of a significant historical event	2	5	E	L1 UELRW
Internal Achievement Standards:14			External Achievement Standards: 9		Total: 23	

12HI1 - Supplementary materials/equipment fee: Workbooks \$10

12SS3 SOCIAL SCIENCE STUDIES - NCEA LEVEL 2 – leads to 13TT4 – contact Mrs Cato HOF Social Science

Prerequisites

For students who do not qualify for entry into L2 Geography or L2 History

AND have at least 12 credits from 11SS3

OR at least 8 credits from L1 History (11HI1) OR Geography (11GE1) OR English (11EN1/2) and HOF approval

Note: 1. Students are **not permitted** to study 12SS3 AND 12TT4 at the same time
2. Pathway: 12SS3 students can carry on to 13TT4 in 2017

- Students will study a range of topics from the Geography, History and Social Studies areas including; the study of murder in Chicago as an urban pattern, gold mining in the Coromandel as a contemporary issue, the spread of Hip-Hop as a global geographic pattern, inquiry and research into a significant historical event and social actions taken by communities to meet responsibilities

A selection from the standards will be offered resulting in a 17/18 credit course

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: GEOGRAPHY (GE) HISTORY (H) SOCIAL STUDIES (SS)	LEVEL	CREDITS	INT/EXT	LIT
AS91241	GE	Demonstrate geographic understanding of an urban pattern	2	3	I	
AS91245	GE	Explain a contemporary geographic issue and courses of action	2	3	I	
AS91246	GE	Explain aspects of a geographic topic at a global scale	2	3	I	
AS91229	H	Carry out an inquiry of an historic event or place that is of significance to New Zealanders	2	4	I	L1 UELR
AS91230	H	Examine an historic event or place that is of significance to New Zealanders	2	5	I	L1 UELR
AS91283	SS	Describe social action that enables communities and/or nations to meet responsibilities and exercise rights	2	4	I	
Internal Achievement Standards: 22			External Achievement Standards: Nil		Total: 22	

12SS3 - Supplementary materials/equipment fee: Nil

12TT4 TRAVEL & TOURISM - NCEA LEVEL 2 - leads to 13TT4 – contact Mr Adam HOD Travel & Tourism

Prerequisites

At least 8 credits in Level 1 English (11EN1)

OR at least 10 credits in Level 1 Geography (11GE1)

OR at least 10 credits in Level 1 History (11HI1)

This is a two year course and admission to this course commits students to continue with the second year

Students studying 12 History or 12 Geography must have HOD approval to also study 12TTR

Students will:

- Be provided with the opportunity to complete and obtain a nationally recognised course after two years of study and serves as a stepping-stone into the Travel and Tourism industry

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: TRAVEL AND TOURISM (T&T)	LEVEL	CREDITS	INT/EXT
US18237	T&T	Perform calculations for a tourism workplace	2	3	I
US23761	T&T	Read and comprehend work-related documents in English for a tourism workplace	2	3	I
US23767	T&T	Demonstrate knowledge of and use the internet in a tourism workplace	2	2	I
US24724	T&T	Demonstrate knowledge of the history of tourism	2	4	I
US24728	T&T	Demonstrate knowledge of work roles in tourism	2	3	I
US24729	T&T	Demonstrate knowledge of world tourist destinations	2	4	I
US24730	T&T	Demonstrate knowledge of the business of tourism	2	4	I
US24731	T&T	Demonstrate knowledge of destination New Zealand	2	4	I
US24732	T&T	Demonstrate knowledge of tourist characteristics and needs	2	3	I
Internal Unit Standards: 30			Total: 30		

12TT4 - Supplementary materials/equipment fee: Nil

12BC4/5 BUILDING & CARPENTRY – NCEA LEVEL 2 – leads to 13BC4 – contact Mr van Zyl HOF Technology

Prerequisites

At least 18 credits in Level 1 Building & Carpentry (11BC4)
AND/OR HOD approval

This course is a progression from Level 1 and is suitable for students considering an apprenticeship in the building/joinery/cabinetmaking industry

Students will:

- Work on set projects and develop practical carpentry skills
- The course has a practical component as well as an extensive written component which students are required to complete to achieve and gain credits

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: BUILDING CONSTRUCTION AND ALLIED TRADES (BCAT)	LEVEL	CREDITS	INT/EXT
US12927	BCAT	Identify, select, maintain and use hand tools for BCATS projects	2	6	I
US25319	BCAT	Demonstrate knowledge of the carpentry industry within a BCATS environment	2	2	I
US24350	BCAT	Identify, select, maintain and use portable power tools for BCATS projects	2	6	I
US24354	BCAT	Demonstrate knowledge of and apply safe working practices in a BCATS environment	2	4	I
US12932	BCAT	Construct garden furniture and items of basic construction	2	8	1
Unit Standards: 26			Total: 26		

12BC4 - Supplementary materials/equipment fee: \$65

12VC1 VISUAL COMMUNICATION – NCEA LEVEL 2 - leads to 13VC1 – contact Mr van Zyl HOF Technology

Prerequisites

At least 16 credits in Level 1 Visual Communication (11VC1)
AND/OR HOD approval

Students will:

- Work on a range of assignments based on the DVC syllabus. The quality of assignments and course work is expected to be at a level superior to Level 1. More complex design briefs development, computer aided design skills and understanding and visual communication skills will be required as well as a wider range of modes and media application
- Study architectural/landscape, media/technical illustration and the production of engineering/technological drawing in their assignments
- Be required to present a research assignments based on design and the implications of design on society
- Be required to supply their own A3 folder and instrumental drawing and rendering equipment

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: DESIGN AND VISUAL COMMUNICATION (DVC)	LEVEL	CREDITS	INT/EXT	LIT
AS91340	DVC	Use the characteristics of a design movement or era to inform own design ideas	2	3	I	L1
AS91341	DVC	Develop a spatial design through DVC practice	2	6	I	L1
AS91342	DVC	Develop a product design through DVC practice	2	6	I	
AS91337	DVC	Use visual communication techniques	2	3	E	
Internal Achievement Standards: 15			External Achievement Standards: 3			Total: 18

12VC1 - Supplementary materials/equipment fee: \$55

12FH4 FOOD & HOSPITALITY – NCEA LEVEL 2 – leads to 13FH4 – contact Mrs Sood HOD Food Technology

Prerequisites

At least 11 credits in Level 1 Food & Hospitality (11FH4)
AND/OR HOD approval

Students will:

- Continue the introduction from Level 1 Food and Hospitality, improving practical skills and knowledge
- Gaining catering experience and providing meals for others will form part of their learning

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: FOOD SAFETY (FS), COOKERY (CY), HOSPITALITY (HS), FOOD AND BEVERAGE SERVICE (FB)	LEVEL	CREDITS	INT/EXT
US167	HSP	Practise food safety methods in a food business	2	4	I
US13280	CY	Prepare fruit and vegetable cuts	2	2	I
US13281	CY	Prepare and present basic sandwiches for service	2	2	I
US13283	CY	Prepare and present salads for service	2	2	I
US13285	CY	Handle and maintain knives in a commercial kitchen	2	2	I
US17285	FB	Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision	2	4	I
US14462	HS	Maintain personal presentation and greet customers in the hospitality industry	2	2	I
US17286	FB	Prepare and present pressed coffee for service	2	2	1
US17287	FB	Prepare and present filtered coffee for service	2	2	I
US13276	CY	Cook food items by grilling	2	2	1
Unit Standards: 24			Total: 24		

12FH4 - Supplementary materials/equipment fee: Approx \$100 + workbook

12ME4 MECHANICAL ENGINEERING – NCEA LEVEL 2 – leads to 13ME4 – contact Mr van Zyl HOF Technology

Prerequisites

Completed Level 1 Mechanical Engineering (11ME4) AND HOD approval

Students will:

- Continue on from Level 1 Mechanical Engineering gaining a higher level of engineering skills
- Need to have prior experience with some of the equipment used as they will be working on projects of a more complex nature
- Gain skills in advanced metal lathe work, using a milling machine and learning a range of welding techniques
- Create high quality and technically challenging projects

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CONSTRUCTION AND MECHANICAL TECHNOLOGIES (CMT), MECHANICAL ENGINEERING (ME), ENGINEERING CORE SKILLS (ECS), ENGINEERING MEASUREMENT (EM)	LEVEL	CREDITS	INT/EXT
US21911	ECS	Demonstrate knowledge of safety on engineering worksites	2	2	I
US20917	ME	Demonstrate basic knowledge of engineering materials	2	2	I
US2395	ECS	Select use and care for engineering hand tools	2	4	I
US4435	EM	Select use and care for engineering dimensional measuring equipment	2	3	I
US4436	EM	Select use and care for engineering marking-out equipment	2	4	I
AS91344	CMT	Implement advanced procedures using resistant materials to make a specified product with special features	2	6	I
Unit Standards: 15			Internal Achievement Standards: 6		Total: 21

12ME4 - Supplementary materials/equipment fee: \$65

12TP1 TECHNOLOGY PRODUCT DESIGN – NCEA LEVEL 2 – leads to 13TH1 – contact Mr van Zyl HOF Technology

Prerequisites

At least 16 credits in Level 1 Technology Product Design (11TP1) AND/OR HOD approval

Students will:

- Develop a technological solution that addresses the requirements of their own formulated brief
- Cover the three main strands of technology – technological practice, technological knowledge and the nature of technology
- Use problem solving skills to work through a series of events to develop a solution, using a range of skills, research tools and processes
- The course has a very high literacy expectation/demand and requires good time management skills
- Need skills in design and evaluation as well as being able to research and document evidence relating to their design
- Drawing and presentation skills of students needs to be of a good standard as well as workshop skills and safety knowledge

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: TECHNOLOGY (T)	LEVEL	CREDITS	INT/EXT	LIT
AS91355	T	Select and use planning tools to manage the development of an outcome	2	4	I	L1
AS91356	T	Develop a conceptual design for an out come	2	6	I	
AS91357	T	Undertake effective development to make and trial a prototype	2	6	I	
AS91347	T	Demonstrate understanding of advanced concepts used to make products	2	4	I	L1
AS91363	T	Demonstrate understanding of sustainability in design	2	4	E	L1
Internal Achievement Standards: 20			External Achievement Standards: 4		Total: 24	

12TP1 - Supplementary materials/equipment fee: \$60

12RM1 TE REO MĀORI - NCEA LEVEL 2 – leads to 13MRI – contact Ms Paul - HOF Te Reo Māori

Prerequisites

At least 18 credits in Level 1 Te Reo Māori (11RM1), including one external standard OR HOD approval

Students will:

- Study five topics of work: Korero, Whakarongo, Hanga tuhi, Panui, Tuhi okawa

NUMBER	DOMAIN	NAME OF STANDARD /DOMAIN: REO MĀORI (RM)	LEVEL	CREDITS	INT/EXT	LIT
AS91284	RM	Whakarongo kia mohio ki te reo o tona ao	2	6	I	L1
AS91285	RM	Korero kia whakamahi i te reo o tona ao	2	6	I	L1
AS91286	RM	Panui kia mohio ki te reo o tona ao	2	6	E	L1 UELR
AS91287	RM	Tuhi i te reo o tona ao	2	6	E	L1
AS91288	RM	Waihanga tuhinga i te reo o tona ao	2	6	I	L1
Internal Achievement Standards: 18			External Achievement Standards: 12		Total: 30	

12RM1 - Supplementary materials/equipment fee: Approx \$40

12RR1 TE REO RANGATIRA – NCEA LEVEL 2 – leads to 13RR1 – contact Ms Paul - HOF Te Reo Māori**Prerequisites**

At least 18 credits in Level 1 Te Reo Rangatira (11RR1), including two external standards
OR Merit / Excellence endorsement at Level 3 Te Reo Māori (13RM1)
OR HOD approval

Students will:

- Study 4 strands of learning, Korero, Whakarongo, Panui, Tuhituhi
- Undertake field trips
- Speak in Immersion settings

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: REO MĀORI (RM)	LEVEL	CREDITS	INT/EXT	LIT
AS90442	RM	Whakarongo ki te reo whaikupu	2	3	E	L1
AS90750	RM	Rangahau, whakarite me te whakaputa whaikorero	2	3	I	L1
AS90751	RM	Whakaputa i te korero tene	2	3	I	L1
AS90752	RM	Panui i te reo tawhito	2	3	E	L1 UELR
AS90753	RM	Panui i te reo hou	2	3	E	L1 UELR
AS90754	RM	Whakaputa i te tuhinga	2	3	I	L1 UELW
AS90755	RM	Titotio i te korero whakangahau	2	3	I	L1 UELW
AS90756	RM	Matakitaki me te hanga i te whakaaturanga	2	3	I	L1
Internal Achievement Standards: 15			External Achievement Standards: 9			Total: 24

12RR1 - Supplementary materials/equipment fee: \$40

12MP4 TE WAHAROA – MĀORI PERFORMING ARTS – NCEA LEVEL 2 – leads to 13MP4 – contact Ms Paul HOF Te Reo Māori**Prerequisites**

Desirable that students be studying Te Reo Māori or participating in Kapa Haka
OR HOD approval

Students will:

- Study Tikanga, Waiata, Powhiri, Performance, Atua, Resources

Note: Te Reo Māori achievement standards and Te Reo Māori unit standards at Levels 3 & 4 need to be completed as well as the above standards in order to be awarded the National Certificate in Māori Performing Arts Level

NUMBER	DOMAIN	STANDARD/DOMAIN: TIKANGA MĀORI (TM), MĀORI PERFORMANCE (PA)	LEVEL	CREDITS	LIT
US16166	TM	Explain key concepts and practices associated with powhiri	2	2	I
US13359	PA	Demonstrate knowledge and skills of waiata	2	6	I
US13363	PA	Demonstrate knowledge and skills of waiata a ringa	2	6	I
US13371	PA	Demonstrate knowledge and skills of haka	2	6	I
US13367	PA	Demonstrate knowledge and skills of poi	2	7	I
US22756	PA	Perform a Māori performing arts bracket	2	10	I
Unit Standards: 37			Total: 37		

12MP4 - Supplementary materials/equipment fee: Approx \$40 Māori crafts

12KH3 KAPA HAKA – NCEA LEVEL 2 – contact Ms Paul HOF Te Reo Māori**Prerequisites**

Students must register in Term 4, 2016 with HOD Māori and follow Kapa Haka programme
AND HOD approval

Students will:

- Undertake a practical course that will cover all areas of competitive Kapa Haka performance
- Study Tikanga, Waiata, Powhiri, Performance, Resources

Note: All students must

Meet a minimum 85% attendance at all Kapa Haka scheduled practices, wānanga, meetings and performances
AND

Must make the (final) performance team, including reserves

This class is run outside the timetable with attendance taken during terms 1 and 4

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN REO MĀORI (RM)	LEVEL	CREDITS	INT/EXT
AS91207	DN	Perform an ethnic or social dance to communicate understanding of the style.	2	4	I
AS91209	DN	Perform a repertoire of dance	2	6	I
US22756	MP	Perform a Māori performing arts bracket	3	10	I
Unit / Achievement Standards			Total: 20		

12KH3 - Supplementary materials/equipment fee: \$120

13DN1 DANCE – NCEA LEVEL 3 – leads to University/Tertiary studies 3 – contact Ms Cesan HOD Dance**❖ University approved subject****Prerequisites**

At least 16 credits in Level 2 Dance (12DN1), 4 of which must be from an externally assessed achievement standard OR HOD approval

Students will:

- Produce a dance for performance using appropriate technologies
- Perform in a choreographed group dance works to an audience
- Demonstrate knowledge of the development of contemporary dance in Aotearoa
- Critically analyse dance performances

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: DANCE (DN)	LEVEL	CREDITS	INT/EXT	LIT
AS91588 **	DN	Produce a dance to realize a concept.	3	8	I	
AS91589 **	DN	Choreograph a dance to develop and resolve ideas.	2	4	I	
AS91590	DN	Perform a solo or duet dance	2	4	I	
AS91591	DN	Perform a group dance	2	4	I	
AS91592	DN	Perform a repertoire of contrasting dances	2	6	I	
AS91593 **	DN	Demonstrate understanding of dance performance practices	2	4	I	
AS91594 **	DN	Analyse a dance performance	2	4	E	L1 UELW
AS91595	DN	Demonstrate an understanding of a the development of dance in Aotearoa NZ	2	4	E	L1 UELR
<i>** IN 2017 Students will complete one of these standards in addition to the others to make up their 24 credits.</i>						
Internal Achievement Standards: 30			External Achievement Standards: 8		Total: 38	

13DN1 - Supplementary materials /equipment fee: Approx \$25

13DR1 DRAMA – NCEA LEVEL 3 – leads to University/Tertiary Studies – contact Dr McGregor HOD Drama**❖ University approved subject****Prerequisites**

At least 14 credits in Level 2 Drama (12DR1), 4 of which must be from an external standard OR HOD approval

Students will:

- Study New Zealand drama
- Devise a theatre piece
- Critically analyse live theatre
- Undertake a major performance role in a full class production
- Attend at least 1 live performance through the year

NUMBER	DOMAIN	NAME OF STANDARD/ DOMAIN: DRAMA PERFORMANCE (DP), DRAMA CREATION (DC), DRAMA STUDIES (DS)	LEVEL	CREDITS	INT/EXT	LIT
AS91512	DP	Interpret scripted text to integrate drama techniques in performance	3	4	i	L1 UELR
AS91513	DC	Devise and perform a drama to realise a concept	3	5	I	L1
AS91514	DS	Interpret a prescribed text to demonstrate knowledge of a theatre form or period	3	4	E	L1 UELR/W
AS91515	DP	Select and use complex performance skills associated with a drama form or period	3	4	I	L1 UELR
AS91516	DS	Demonstrate understanding of the work of a drama or theatre theorist or practitioner	3	4	I	L1 UELR
AS91517	DP	Perform a substantial acting role in a significant production	3	5	I	L1 UELR
AS91518	DS	Demonstrate understanding of live drama performance	3	4	E	L1 UELW
AS91519	DC	Script a drama suitable for live performance	3	5	I	L1 UELW
AS91520	DC	Direct a drama performance	3	5	I	L1 UELR
While there are 9 Achievement Standards available, students will complete 3 Internal and 2 External Achievement Standards						
Internal Achievement Standards: 14			External Achievement Standards: 8		Total: 22	

13DR1 – Supplementary materials/equipment fee: \$70

13MU1 MUSIC – NCEA LEVEL 3 – leads to University/Tertiary study - contact Mrs Zjajic-Moon HOD Music**❖ University approved subject****Prerequisites**

At least 18 credits in Level 2 Music (12MU1), including the credits from at least one external AS OR HOD approval

Evidence of a musical background in both performance and theory will have to be shown. Students must continue to have lessons on their major instrument and be part of a school music group approved by the Head of Music

Students will:

- Study performance, composition, arrangement, aural analysis of music, score reading and musical knowledge
- Students will select from the following

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: MAKING MUSIC (MM) MUSIC STUDIES (MS)	LEVEL	CREDITS	INT/EXT	LIT
AS91416	MM	Perform two programmes of music as a featured soloist	3	8	I	
AS91417	MM	Perform a programme of music as a featured soloist on a second instrument (optional)	3	4	I	
AS91418	MM	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group	3	4	I	
AS91419	MS	Communicate musical intention by composing three original pieces of music	3	8	I	
AS91422	MS	Analyse a substantial music work (optional)	3	4	I	L1
AS91423	MS	Examine the influence of context on a substantial music work	3	4	E	L1
AS91424	MS	Create two arrangements for an ensemble	3	4	I	
AS91425	MS	Research a music topic	3	6	I	L1UELRL
AS91420	MM	Integrate aural skills into written representation	3	4	E	
AS91421	MS	Demonstrate understanding of harmonic and tonal conventions in a range of music scores	3	4	E	
Internal Achievement Standards: 38			External Achievement Standards: 12		Total: 50	

13MU1 - Supplementary materials/equipment fee: Nil

13DS1 DESIGN - NCEA LEVEL 3 – leads to University/Tertiary study – Ms Aleh HOD Visual Art**❖ University approved subject****Prerequisites**

At least 20 credits in Level 2 Design (12DS1)

OR HOD approval with portfolio submitted before week 10 of Term 3

Students will:

- This course teaches students the fundamentals of design and communication and it prepares them for a range of opportunities for further study and for careers in design-related fields
- The focus of the year's work is contemporary design and all the work carried out for the standards offered is geared towards developing an understanding of contemporary design practice. Students will typically attempt design problems that involve corporate identity, typographic layout, graphic design, illustration or comic design
- The final submission of work is presented on a three-panel portfolio and those submitting for Scholarship do so in an A3 Clear file

NUMBER/DOMAIN	NAME OF STANDARD / DOMAIN: DESIGN (DS)	LEVEL	CREDITS	INT/EXT	
AS91445	DS	Use drawing to demonstrate understanding of conventions appropriate to design	3	4	I
AS91450	DS	Systematically clarify ideas using drawing informed by established design practice	3	4	I
AS91455	DS	Produce a systematic body of work that integrates conventions and regenerates ideas within design practice	3	14	E
Internal Achievement Standards: 8		External Achievement Standards: 14		Total: 22	

13DS1 - Supplementary materials/equipment fee: Approx \$110**13PN1 PAINTING - NCEA LEVEL 3 – leads to University/Tertiary study – contact Mr Rees TIC Painting****❖ University approved subject****Prerequisites**

At least 20 credits in Level 2 Painting (12PN1)

OR HOD approval (with portfolio) submitted before week 10 of Term 3

Students will:

- Be examined on their practical knowledge of at least one established form of painting
- Thematic content may flow through from Year 12. Students will be submitting a variety of work consisting of research, drawing notes, developed sequences of drawings, small works and finished paintings
- These will show how the pictorial ideas and the relationships between such ideas, methods, materials and forms are developed, clarified, resolved and regenerated. Students will use both traditional and contemporary artists as models for their own work throughout the year in order to develop their individual proposals
- Students will be encouraged to enter the Scholarship examination

NUMBER DOMAIN	NAME OF STANDARD / DOMAIN: PAINTING (PN)	LEVEL	CREDITS	INT/EXT	
AS91446	PN	Use drawing to demonstrate understanding of conventions appropriate to painting	3	4	I
AS91451	PN	Systematically clarify ideas using drawing informed by established painting practice	3	4	I
AS91456	PN	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	3	14	E
Internal Achievement Standards: 8		External Achievement Standards: 14		Total: 22	

13PN1 - Supplementary materials/equipment fee: Approx \$120**13PH1 PHOTOGRAPHY - NCEA LEVEL 3 – leads to University/Tertiary study – contact Ms Schwalger TIC Photography****❖ University approved subject****Prerequisites**

At least 20 credits in Level 2 Photography (12PH1),

OR HOD approval (with portfolio) – submitted before week 10 of Term 3

It is recommended that students have an entry level DSLR camera for their own use. ALTERNATIVELY, students may book a school DSLR but they must pay a \$100 bond to the Finance Office for the year.

- The main focus for this course is the production of a three panel folio worth 14 credits. This will be sent to Wellington and assessed externally at the end of the year. All students are expected to complete this
- To succeed at Level 3 requires independent thinking and a higher level of individual input than previous years. There are strict assessment criteria you must meet and your teacher will guide you through this. You will negotiate with your teacher what your individual programme and options will be. Scholarship is also available depending on your strengths and level of commitment
- On the way to producing your folio you will submit 3.2 Drawing (AS91447) and Clarification (AS91452). For each assessment there will be a formative assessment where you will be given feedback and a possible indication of your likely mark before the final assessment
- The internal standards are an essential part of your year's work as they form the supporting material for your folio
- **Final deadlines are not negotiable**

NUMBER DOMAIN	NAME OF STANDARD / DOMAIN: PHOTOGRAPHY (PH)	LEVEL	CREDITS	INT/EXT	
AS91447	PH	Use drawing to demonstrate understanding of conventions appropriate to photography	3	4	I
AS91452	PH	Systematically clarify ideas using drawing informed by established photography practice	3	4	I
AS91457	PH	Produce a systematic body of work that shows understanding of art making conventions and ideas within Design Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	3	14	E
Internal Achievement Standards: 8		External Achievement Standards: 14		Total: 22	

13PH1 - Supplementary materials/equipment fee: Approx \$90

13AR1 SCULPTURE & PRINTMAKING (VISUAL ART) – NCEA LEVEL 3 – leads to University/Tertiary study – contact Ms Aleh HOD Visual Art

Prerequisites

At least 8 credits in Level 2 Sculpture & Printmaking (12AR1) or L2 Painting (12PN1) or L2 Design (12DS1) or L2 Photography (12PH1)
OR HOD approval with portfolio submitted before week 10 of Term 3

This course will suit students who want to explore sculpture and printmaking disciplines without the added pressure of producing an external folio board. Numbers in this course are limited. One external folio may be individually negotiated in either Printmaking or Sculpture.

Students will:

- Undertake a course that will cover a range of fields; bookbinding, printmaking and sculpture, to gain a maximum of 20 internal credits
- The aim of this course is to allow you to follow an individual pathway in order to produce original work; you will be required to develop and extend your knowledge of sculpture and printmaking methods, ideas, processes, procedures, conventions and techniques
- Your research, drawings and recorded works will be included in an artist's book that you will make at the beginning of the year

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ART HISTORY (AH)	LEVEL	CREDITS	INT/EXT
AS91460	AR	Produce a resolved work that demonstrates purposeful control of skills appropriate to a visual arts cultural context.	3	4	I
AS91444	AR	Use drawing to demonstrate understanding of conventions appropriate to sculpture	3	4	I
AS91454	AR	Systematically clarify ideas using drawing informed by established sculpture	3	4	I
AS91320	AR	Use drawing to demonstrate understanding of conventions appropriate to printmaking	3	4	I
AS91453	AR	Systematically clarify ideas using drawing informed by established printmaking	3	4	I
Internal Assessment credits possible				20	i

13AR1 - Supplementary materials/equipment fee: Approx \$110

13AH1 HISTORY OF ART – NCEA LEVEL 3 – leads to University/Tertiary study – contact Ms Sampson TIC Art History

❖ University approved subject

Prerequisites

At least 14 credits in Level 2 Art History (12AH1)

OR at least 14 credits in Level 2 English (12EN1)

OR at least 14 credits in Level 2 History (12HI1),

OR at least 14 credits in Level 2 Classical Studies (12CS1)

Note: 6 of these credits must be from external achievement standards, and Merit grades are recommended

OR HOD approval

Students will:

- Study artworks, artists and art movements within their historical context. This University approved subject includes topics that span the Proto-Renaissance period of Fourteenth and Fifteenth Century Italy and will include such contextual information as the Black Plague, The Catholic Church and the Monks, The Medici Family and the Renaissance

This course is recommended for students considering Scholarship in an Art subject

This course is recommended for students keen to take law and legal studies

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ART HISTORY (AH)	LEVEL	CREDITS	INT/EXT	LIT
AS91482	AH	Demonstrate understanding of style in art works	3	4	E	L1 UELRW
AS91483	AH	Examine how meanings are communicated through art works	3	4	E	L1 UELRW
AS91484	AH	Examine the relationship(s) between art and context	3	4	E	L1 UELRW
AS91485	AH	Examine the impact of media and processes on art works	3	4	I	L1 UELR
AS91487	AH	Examine the different values placed on art works	3	4	I	L1 UELR
AS91488	AH	Examine the relationships between a theory and artworks	3	4	I	L1 UELR
Internal Achievement Standards:12			External Achievement Standards: 12		Total:24	

13AH1 - Supplementary materials/equipment fee: Approx \$40

13AC1 ACCOUNTING – NCEA LEVEL 3 – leads to University/Tertiary courses – contact Ms Hayes HOF Commerce

❖ University approved subject

Prerequisites

At least 15 credits in Level 2 Accounting 1 (12AC1) including achieved or better in AS91176

OR at least 15 credits in Level 2 Accounting 2 (12AC2) including achieved or better in AS91176

OR HOD approval

Students will:

- Be provided with a foundation for the study of accounting at tertiary level
- Gain a fuller understanding of the conceptual basis of accounting, the processing of accounting data and the preparation of financial reports for a partnership, a company and a manufacturing entity
- Prepare budgets and carry out cost-volume-profit analysis

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ACCOUNTING (AC)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91405	AC	Demonstrate understanding of accounting for partnerships	3	4	I		L1
AS91406	AC	Demonstrate understanding of company financial statement preparation	3	5	E		L1
AS91407	AC	Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity	3	5	I	L1 UELRW	L1
AS91408	AC	Demonstrate understanding of management accounting to inform decision-making	3	4	E	L1	L1
AS91409	AC	Demonstrate understanding of a job cost subsystem for an entity	3	4	I	L1	L1
Internal Achievement Standards:13			External Achievement Standards: 9		Total: 22		

13AC1 - Supplementary material/equipment fee: Approx \$40

13BU1 BUSINESS – NCEA LEVEL 3 – leads to University/Tertiary study – contact Ms Hayes HOF Commerce**❖ University approved subject****Prerequisites**

At least 14 credits in Level 2 Business Studies, including Achieved or better in AS90848
OR HOD approval

Students will:

- Focus on New Zealand businesses with international connection
- Investigate the internal operations in businesses
- Apply business knowledge to address complex problems
- Develop a marketing plan for a product
- Carry out an innovative and sustainable business activity

NUMBER /DOMAIN	NAME OF STANDARD / DOMAIN: BUSINESS STUDIES (BU)	LEVEL	CREDITS	INT/EXT	LIT	
AS91379	BU	Demonstrate understanding of how internal factors interact within a business that operates in a global context	3	4	E	L1 UELRW
AS91381	BU	Apply business knowledge to address a complex problem(s) in a given global business context	3	4	E	L1 UELRW
AS91383	BU	Analyse a human resource issue affecting business	3	3	I	L1 UELR
AS91384	BU	Carry out, with consultation, an innovative and sustainable business activity	3	9	I	L1 UELR
Internal Achievement Standards: 12		External Achievement Standards: 8		Total: 20		

13BU1 - Supplementary material/equipment fee: \$10

13CO4 COMMERCE STUDIES – NCEA LEVEL 3 – leads to Tertiary courses – contact Ms Hayes HOF Commerce**Prerequisites**

At least 60 Level 2 credits gained in the previous year and Level 1 Literacy and Level 1 Numeracy OR HOD approval

Students will:

- Gain an understanding of financial services available in New Zealand
- Learn to use effective communication and management skills in a number of situations
- Develop a critical understanding of basic financial skills
- Gain knowledge and skills to live and work as a more confident, informed and responsible member of our multi-cultural society

NUMBER	DOMAIN	NAME OF STANDARD	LEVEL	CREDITS	INT/EXT
US1982	Work Skills	Demonstrate knowledge of collective employment agreement negotiation processes	3	2	Int
US11095	Writing	Write business correspondence to convey complex ideas and information	3	3	Int
US28098	Fin Mgt	Evaluate options to increase personal income	3	3	Int
US28099	Fin Mgt	Analyse and compare credit options and recommend strategies to manage personal finances	3	3	Int
US28100	Fin Mgt	Develop a plan to achieve a long-term personal financial goal(s)	3	4	Int
US28102	Fin Mgt	Demonstrate understanding of risk and return for a personal financial investment portfolio	3	4	Int
Internal Achievement Standards: 19 credits			Total: 19 credits		

13CO4 - Supplementary material/equipment fee: Nil

13EC1 ECONOMICS – NCEA LEVEL 3 – leads to University/Tertiary study – contact Mr Roberts HOD Economics**❖ University approved subject****Prerequisites**

At least 12 credits in Level 2 Economics (12EC1) including at least 8 credits from externally assessed standards
OR At least 12 credits in Level 2 Economics (12EC2) including at least 4 credits from externally assessed standards OR HOD approval

Students will:

- Reach a level of economic literacy and understanding and to develop a continuing and critical interest in current economic issues, which will prepare them for study at university level
- Develop an understanding of theory used to explain the decisions made by firms and households
- Develop an understanding of the internal and external factors that affect the New Zealand economy

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ECONOMICS (EC)	LEVEL	CREDITS	INT/EXT	LIT
AS91399	EC	Demonstrate understanding of the efficiency of market equilibrium	3	4	E	L1 UELRW
AS91401	EC	Demonstrate understanding of micro-economic concepts	3	5	I	L1 UELR
AS91402	EC	Demonstrate understanding of government interventions to correct market failures	3	5	I	L1 UELR
AS91403	EC	Demonstrate understanding of macro-economic influences on the New Zealand economy	3	6	E	L1 UELRW
Internal Achievement Standards: 10			External Achievement Standards: 10		Total: 20	

13EC1 - Supplementary material/equipment fee: Approx \$40

13EN1 ENGLISH 1 – NCEA LEVEL 3 – leads to University/Tertiary study – contact Mrs Mason HOF English**❖ University approved subject****Prerequisites**

At least 14 credits from Level 2 English, with at least 8 of those credits from externally assessed achievement standards

This course is designed for students with a track record of high achievement in English

Students will:

- Develop their enjoyment and understanding of literature and film through reading and viewing a range of texts including a play by Shakespeare
- Produce extended writing in a range of styles and for different audiences and purposes
- Develop their knowledge and understanding of the literary, social and cultural contexts of texts through directed and independent wide reading of literature and literary criticism
- Present their knowledge and understanding of literature through writing, and presentations which combine spoken and visual language

** Standards selected from

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN ENGLISH (EN)	LEVEL	CREDITS	INT/EXT	LIT
AS91472	E	Respond critically to specified aspects of studied written text(s) supported by evidence	3	4	E	L1 UELRW
AS91473	E	Respond critically to specified aspects of studied visual or oral text(s) supported by evidence	3	4	E	L1 UELW
AS91475	E	Produce a selection of fluent and coherent writing which develops sustains and structures ideas.	3	6	I	L1 UELW
AS91576**	E	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	3	3	I	L1
AS91477**	E	Create a fluent and coherent visual text which develops, sustains, and structures ideas using verbal and visual language	3	3	I	L1
AS91478**	E	Respond critically to significant connections across texts, supported by evidence	3	3	I	L1
AS91479**	E	Develop an informed understanding of literature and/or language using critical texts	3	3	I	L1 UELR
Internal Achievement Standards: 12			External Achievement Standards: 8			Total: 20

13EN1 Supplementary materials/equipment fee: Approx \$10

13EN2 ENGLISH 2 – NCEA LEVEL 3 – leads to University/Tertiary Study – contact Mrs Mason HOF English**❖ University approved subject****Prerequisites**

At least 14 credits in Level 2 English and University Entrance literacy

The number of credits is reduced compared to 13EN1 to allow more time for students to develop their understanding of the key concepts and skills of Level 3 English

Students will:

- Develop their enjoyment and understanding of literature and film through reading and viewing a range of texts
- Develop their knowledge and understanding of the literary, social and cultural contexts of texts through directed and independent wide reading of literature and literary criticism
- Present their knowledge and understanding of literature through speaking and through presentations which combine verbal and visual language

** Standards selected from

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: ENGLISH (EN)	LEVEL	CREDITS	INT/EXT	LIT
AS91472	E	Respond critically to specified aspects of studied written text(s) supported by evidence	3	4	E	L1 UELR/W
AS91473	E	Respond critically to specified aspects of studied visual or oral text(s) supported by evidence	3	4	E	
AS91576	E	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	3	3	I	
AS91477	E	Create a fluent and coherent visual text which develops, sustains, and structures ideas using verbal and visual language	3	3	I	
AS91478**	E	Respond critically to significant connections across texts, supported by evidence	3	3	I	
AS91479**	E	Develop an informed understanding of literature and/or language using critical texts	3	3	I	L1 UELR
Internal Achievement Standards: 9			External Achievement Standards: 8			Total: 17

13EN2 - Supplementary materials/equipment fee: Approx \$10

13EN3 ENGLISH 3 – NCEA LEVEL 3 – leads to Tertiary courses – contact Mrs Mason HOF English

This course is designed for students who:

Do not have sufficient level 2 credits to meet the literacy requirements for University Entrance

AND/OR

Would like to achieve additional credits in Level 2 English to contribute to their NCEA Level 2 Certificate

AND/OR

Would like to attempt some Level 3 English achievement standards where appropriate, to contribute to their NCEA Level 3 Certificate

OR HOF discretionary approval

Prerequisites

Achieved Level 1 literacy credits through the English Department Achievement Standards

Students will:

- Develop their writing skills through a range of interesting activities
- Read and view a range of texts designed to stimulate their interest and develop their skills in reading, writing and viewing
- Prepare for assessments in reading and writing which meet the requirements for university entrance literacy
- Where it is appropriate, students will be offered the opportunity to submit work for assessment against the criteria for Level 3 English Achievement Standards
- AS91108 Optional

NUMBER/DOMAIN	NAME OF STANDARD/DOMAIN: ENGLISH (EN3)	LEVEL	CREDITS	INT/EXT	LIT	
AS91101	E	Produce a selection of crafted and controlled writing	2	6	I	L1 UELW
AS91103	E	Create a crafted and controlled visual and verbal text.	2	3	I	L1
AS91105	E	Use information literacy skills to form developed conclusion(s)	2	4	I	L1 UELR
AS91107	E	Analyse aspects of visual and/or oral texts through close viewing and/or listening, supported by evidence.	2	3	I	L1
AS91108 *	E	Analyse specified aspects of studied visual or oral texts supported by evidence.	2	4	E	
Internal Achievement Standards: 16		External Achievement Standards: 4 (Optional)		Total: 20		

13EN3 - Supplementary materials/equipment fee: Approx \$10

13ENS SCHOLARSHIP ENGLISH – NCEA LEVEL 3 – leads to University/Tertiary study – contact Mrs Mason HOF English**✦ University approved subject****Prerequisites**

21 credits from 12ENE or 22 credits from 12EN1 English; all achieved at Merit or Excellence level, or approval from the HOF

This course is designed for students with a track record of exceptional achievement in English and leads to tertiary study

Students will:

- Develop their enjoyment and understanding of literature and film through reading and viewing a range of texts including a play by Shakespeare
- Develop their knowledge and understanding of the literary, social and cultural contexts of texts through directed and independent wide reading of literature and literary criticism
- Present their knowledge and understanding of literature through writing, and presentations
- Prepare for the Scholarship English Exam

** Standards selected from

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN ENGLISH (EN)	LEVEL	CREDITS	INT/EXT	LIT
AS91472	E	Respond critically to specified aspects of studied written text(s) supported by evidence	3	4	E	L1 UELRW
AS91473	E	Respond critically to specified aspects of studied visual or oral text(s) supported by evidence	3	4	E	L1 UELW
AS91474	E	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	3	4	I	L1 UELRW
AS91576	E	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	3	3	I	L1
AS91478	E	Respond critically to significant connections across texts, supported by evidence	3	3	I	L1
AS91479	E	Develop an informed understanding of literature and/or language using critical texts	3	3	I	L1 UELR
Internal Achievement Standards: 13		External Achievement Standards: 8		Total: 21		

13ENS Supplementary materials/equipment fee: Approx \$10

13MD1 MEDIA STUDIES – NCEA LEVEL 3 – leads to University/Tertiary Studies – contact Mr Allen HOD Media Studies**❖ University approved subject****Prerequisites**

At least 16 credits in Level 2 Media Studies (12MD1) including 4 credits from AS91251 and 6 credits from AS91253

OR (if Level 2 Media Studies not taken in previous year) at least 15 credits in Level 2 English, which includes 4 credits from either AS91098 or AS91099

Any exceptions are at the discretion of HOD Media Studies.

Students will:

- Explore the meaning of media texts
- Analyse, in detail, a specific industry in the media
- Research a relevant media issue, and its significance to New Zealand society
- Study a film genre and its links with society
- Apply the knowledge they have gained about media conventions and technology and plan, design and create their own media production (documentary)

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: MEDIA STUDIES	LEVEL	CREDITS	INT/EX	LIT
AS91490	MS	Demonstrate understanding of an aspect of a media industry	3	4	E	L1 UELRW
AS91493	MS	Demonstrate understanding of a relationship between a media genre and society	3	4	E	L1 UELRW
AS91494	MS	Produce a design for a media product that meets the requirements of a brief	3	4	I	L1
AS91495	MS	Produce a media product to meet the requirements of a brief	3	6	I	L1
AS91496	MS	Demonstrate understanding of a significant development in the media	3	3	I	L1
Internal Achievement Standards: 13			External Achievement Standards: 8			Total: 21

13MD1 - Supplementary materials/equipment fee: \$5

13CS1 CLASSICAL STUDIES – NCEA LEVEL 3 – leads to University/Tertiary study – contact Mr Cave HOD Classics**❖ University approved subject****Prerequisites**

At least 12 credits in Level 2 Classical Studies (12CS1)

OR 12 Level 2 English reading and/or writing credits

OR 8 Level 2 English reading and/or writing credits plus 8 Level 2 History credits

OR HOD Approval

Students will:

- Be introduced to aspects of history, literature and art in ancient Rome. Topics include history, epic and art

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: ART HISTORY (AH)	LEVEL	CREDITS	INT/EXT	LIT
91394	AH	Analyse ideas and values of the Classical World	3	4	E	UELRW
91396	AH	Analyse the impact of a significant historical figure on the classical world	3	6	E	UELRW
91397	AH	Demonstrate understanding of significant ideology(ies) in the classical world	3	6	I	UELR
91398	AH	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	3	6	I	UELR
Internal Achievement Standards: 12			External Achievement Standards: 10			Total: 22

13CS1 - Supplementary materials/equipment fee: Approx \$25

13CH1 CHINESE – NCEA LEVEL 3 – leads to University/tertiary study – contact Ms Selaries HOF Languages**❖ University approved subject****Prerequisites**

At least 14 credits in Level 2 Chinese (12CH1)

OR Teacher in Charge approval

Students will:

- Study school, social life, part-time jobs, young people and their world

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CHINESE (CH)	LEVEL	CREDITS	INT/EXT	
AS91533	CH	Demonstrate understanding of a variety of extended spoken Chinese texts	3	5	E	
AS91534	CH	Give a clear spoken presentation in Chinese that communicates a critical response to stimulus material	3	3	I	
AS91536	CH	Demonstrate understanding of a variety of extended written and/or visual Chinese texts	3	5	E	
AS91537	CH	Write a variety of text types in clear Chinese to explore and justify varied ideas and perspectives	3	5	I	
AS91535	CH	Interact clearly using spoken Chinese to explore and justify varied ideas and perspectives in different situations	3	6	I	
Internal Achievement Standards: 14			External Achievement Standards: 10			Total: 24

13CH1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and a workbook

13FR1 FRENCH – NCEA LEVEL 3 – leads to University/tertiary study – contact Ms Selaries HOF Languages**✦ University approved subject****Prerequisites**

At least 14 credits in Level 2 French (12FR1)
OR Teacher in Charge approval

Students will:

- Study family, the future, sports and leisure, citizens of the world, culture and selected literature and film studies

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: FRENCH (FR)	LEVEL	CREDITS	INT/EXT
AS91543	FR	Demonstrate understanding of a variety of extended spoken French texts	3	5	E
AS91544	FR	Give a clear spoken presentation in French that communicates a critical response to stimulus material	3	3	I
AS91545	FR	Interact clearly using spoken French to explore and justify varied ideas and perspectives	3	6	I
AS91546	FR	Demonstrate understanding of a variety of extended written and/or visual French texts	3	5	E
AS91547	FR	Write a variety of text types in clear French to explore and justify varied ideas and perspectives	3	5	I
Internal Achievement Standards: 14			External Achievement Standards: 10		Total: 24

13FR1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and a workbook

13GM1 GERMAN – NCEA LEVEL 3 leads to University/tertiary study – contact Mr Gibbs HOD German**✦ University approved subject****Prerequisites**

At least 14 credits in Level 2 German (12GM1)
OR Teacher in Charge approval

Students will:

- Study film, literature, pollution, fashion, social cohesion, a region of Germany, getting a job

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT
AS91548	G	Demonstrate understanding of a variety of extended spoken German texts	3	5	E
AS91549	G	Give a clear spoken presentation in German that communicates a critical response to stimulus material	3	3	I
AS91551	G	Demonstrate understanding of a variety of extended written and/or visual German text	3	5	E
AS91552	G	Write a variety of text types in clear German to explore and justify varied ideas and perspectives	3	5	I
AS91550	G	Interact clearly using spoken German to explore and justify varied ideas and perspectives in different situations	3	6	I
Internal Achievement Standards: 14			External Achievement Standards: 10		Total: 24

13GM1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and a workbook

13JP1 JAPANESE – NCEA LEVEL 3 leads to University/tertiary study – contact Ms Selaries HOF Languages**✦ University approved subject****Prerequisites**

At least 14 credits in Level 2 Japanese (12JP1)
OR Teacher in Charge approval

Students will:

- Study leisure activities, land and people, Japan at work, communications and the media, travel and tourism

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: JAPANESE (JP)	LEVEL	CREDITS	INT/EXT
AS91553	JP	Demonstrate understanding of a variety of extended spoken Japanese texts	3	5	E
AS91554	JP	Give a clear spoken presentation in Japanese that communicates a critical response to stimulus material	3	3	I
AS91556	JP	Demonstrate understanding of a variety of extended written and/or visual Japanese texts	3	5	E
AS91557	JP	Write a variety of text types in clear Japanese to explore and justify varied ideas and perspectives	3	5	I
AS91555	JP	Interact clearly using spoken Japanese to explore and justify varied ideas and perspectives in different situations	3	6	I
Internal Achievement Standards: 14			External Achievement Standards: 10		Total: 24

13JP1 - Supplementary materials/equipment fee: Approx \$35

Cost includes annual subscription to Language Perfect and a workbook

13LS4 LEARNING SUPPORT – NCEA LEVEL 3 – leads to Tertiary courses – contact Mrs Drake HOF Learner Support

Prerequisites

HOD approval

Course Information:

Students who find a Learning Support course useful are:

- Those who need extra time to learn concepts or develop skills in their other subjects
- Those for whom the existing courses are not relevant
- Those who wish to undertake courses not available in the school which are more suited to their learning needs

The Learning Centre offers a range of alternative education options for students at all levels. An individual learning plan is developed in consultation with students, parents and teachers. Outside providers such as tertiary providers and the Correspondence School contribute to a wide range of alternative learning options.

13LS4 - Supplementary materials/equipment fee

13LF4 LIFT – NCEA LEVEL 3 - leads to Tertiary courses – contact Mrs Drake HOF Learner Support

Prerequisites

HOD Approval

Course Information:

- LIFT has been designed as a personal development course teaching skills that are linked to life experience and the academic needs of the workplace.
- LIFT stands for **Learning Intensively for Future Training**. The course involves a series of individual challenges or projects related to unit standards for literacy, numeracy, financial literacy, career planning, employment skills and self-management. Teachers help, guide and encourage individual excellence. At all levels students produce a portfolio of work to meet the criteria for personal development unit standards. The programme begins at Year 11 and continues to Year 13 but a student may begin at any level
- Students may occasionally require materials from home, e.g. cooking ingredients

The following standards will form the basis for the student portfolio. The student and teacher will select standards for a personalised learning programme. Alternative and additional standards from the same domains may be added

NUMBER /DOMAIN	STANDARD/DOMAIN: GENERIC COMPUTING (GC), PERSONAL FINANCIAL MANAGEMENT (PFM), SELF MANAGEMENT (SM), SOCIAL & COOPERATIVE SKILLS (SC), WORK & STUDY SKILLS (WS)	LEVEL	CREDITS	INT/EXT
US4251	WS Plan a career pathway	3	2	I
US9705	CS Give and respond to feedback on a performance	3	3	I
US1307	CS Speak to a known audience in a predictable situation	3	3	I
US1279	CS Write in plain English	3	3	I
US9681	SC Contribute with in a group or team which has an objective	3	3	I
US11097	CS Listen to gain information in an interactive situation	3	3	I
US1304	CS Communicate with people from other cultures	3	2	I
Unit Standards			Total: 19	

13LF4 - Supplementary materials/equipment fee: Approx \$15

13MCS CALCULUS SCHOLARSHIP – leads to University/Tertiary study – contact Mr Sangster HOF Mathematics

❖ University approved subject

Prerequisites

Note: That not all of the standards may be assessed in this course

Open to the top students completing Mathematics 12MT1, 12MC1, 13MC1 or 13MS1. Students are identified and selected by the HOD

Course Information:

This course is designed for those students who intend to study at the highest level and will probably proceed to university study in Mathematics or Engineering

Assessment

As per the Level 3 Calculus (13MC1) course plus extensive additional material

Final external examination

This course is a prerequisite for entry into the Scholarship examination

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: MATHEMATICS (M)	LEVEL	CREDITS	INT/EXT	NUM
AS91573	M	Apply the geometry of conic sections in solving problems	3	3	I	L1
AS91574	M	Apply linear programming methods in solving problems	3	2	I	L1
AS91575	M	Apply trigonometric methods in solving problems	3	4	I	L1
AS91576	M	Use critical paths analysis in solving problems	3	2	I	L1
AS91577	M	Apply algebraic methods in solving problems	3	5	E	L1
AS91578	M	Apply differentiation methods in solving problems	3	6	E	L1
AS91579	M	Apply integration methods in solving problems	3	6	E	L1
AS91587	M	Apply linear systems in solving problems	3	2	I	L1
AS93202		Scholarship - Calculus			E	
Internal Achievement Standards: 13			External Achievement Standards: 17		Total: 30	

13MCS - Supplementary materials/equipment: Approx \$55

13MC1 CALCULUS – NCEA LEVEL 3 - leads to University/Tertiary study – contact Mr Sangster HOF Mathematics**❖ University approved subject****Prerequisites**

From Level 2 Mathematics (12MT1 or 12MC1) at least 'Merit' in AS91257 (Graphs), at least 'Merit' in AS91261 (Algebra) and AS91262 (Calculus)
OR HOD approval

Students will:

- Study this course if they are intending to study Mathematics, Engineering or Architecture at tertiary level

NUMBER	DOMAIN	NAME OF STANDARD / DOMAINS: MATHEMATICS (M)	LEVEL	CREDITS	INT/EXT	NUM
AS91573	M	Apply the geometry of conic sections in solving problems	3	3	I	L1
AS91575	M	Apply trigonometric methods in solving problems	3	4	I	L1
AS91577	M	Apply algebraic methods in solving problems	3	5	E	L1
AS91578	M	Apply differentiation methods in solving problems	3	6	E	L1
AS91579	M	Apply integration methods in solving problems	3	6	E	L1
Internal Achievement Standards: 7			External Achievement Standards: 17		Total: 24	

13MC1 - Supplementary materials/equipment: Approx \$50

13MSS STATISTICS AND MODELLING SCHOLARSHIP – leads to University/Tertiary study – contact Mr Sangster HOF Mathematics**❖ University approved subject****Prerequisites**

Open to the top students completing Mathematics 12MT1, 12MS1, 13MC1 or 13MS1. Students are identified and selected by the HOD

Course Information:

This course is designed for those students who intend to study at the highest level and will probably proceed to University study in Statistics and Modelling, Commerce or Science

Assessment

As per the Level 3 Statistics and Modelling (13MS1) course plus extensive additional material

Final external examination

This course is a prerequisite for entry into the Scholarship examination

NUMBER	DOMAIN	NAME OF STANDARD / DOMAINS: STATISTICS (S)	LEVEL	CREDITS	INT/EXT	NUM
AS91580	S	Investigate time series data	3	4	I	L1
AS91581	S	Investigate bivariate measurement data	3	4	I	L1
AS91582	S	Use statistical methods to make a comparison	3	4	I	L1
AS91583	S	Conduct an experiment using experimental design principles	3	4	I	L1
AS91585	S	Apply probability concepts in solving problems	3	4	E	L1
AS91586	S	Apply probability distributions in solving problems	3	4	E	L1
AS91201		Scholarship - Statistics			E	
Internal Achievement Standards: 16			External Achievement Standards: 8		Total: 24	

13MSS - Supplementary materials/equipment: Approx \$55

Note: That not all of the Standards may be assessed in this course.

13MS1 STATISTICS & MODELLING – NCEA LEVEL 3 – leads to University/Tertiary study – contact Mr Sangster HOF Mathematics**❖ University approved subject****Prerequisites**

From Level 2 Mathematics (12MT1 and 12MS1), at least Merit in AS91264 (Inference) and AS91267 (Probability)
OR HOD approval

Students will:

- Study this course if they are intending to study Statistics, Commerce or Science at tertiary level.

Note: Classes will be grouped according to ability. This will determine which selection from the offered credits, are taught to each group.

NUMBER / DOMAIN	NAME OF STANDARD / DOMAINS: STATISTICS (S)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91580	S	Investigate time series data	3	4	I	L1
AS91581	S	Investigate bivariate measurement data	3	4	I	L1
AS91582	S	Use statistical methods to make a comparison	3	4	I	L1
AS91585	S	Apply probability concepts in solving problems	3	4	E	L1
AS91586	S	Apply probability distributions in solving problems	3	4	E	L1
Internal Achievement Standards: 12		External Achievement Standards: 8		Total: 20		

13MS1 - Supplementary materials/equipment: Approx \$5

13MT1 MATHEMATICS 1 – NCEA LEVEL 3 – leads to University/Tertiary study – contact Mr Sangster HOF Mathematics**❖ University approved subject****Prerequisites**

From Level 2 Mathematics at least 'Achieved' in AS91257 (Graphs), AS91261 (Algebra), AS91262 (Calculus), AS91264 (Inference) and AS91267 (Probability) OR HOD approval

Students will:

- Study this course if they are intending tertiary study and need a mathematical foundation for their tertiary subjects

NUMBER	DOMAIN	NAME OF STANDARD / DOMAINS: GEOMETRY (G), CALCULUS (C), STATISTICS (S), ALGEBRA (A)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91577	M	Apply the algebra of complex numbers in solving problems	3	5	E		L1
AS91578	M	Apply differentiation methods in solving problems	3	6	E		L1
AS91580	S	Investigate time series data	3	4	I	L1	L1
AS91581	S	Investigate bivariate measurement data	3	4	I	L1	L1
AS91586	S	Apply probability distributions in solving problems	3	4	E		L1
AS91587	M	Apply linear systems in solving problems	3	3	I		L1
Internal Achievement Standards: 11			External Achievement Standards: 15		Total: 26		

13MT1 - Supplementary materials/equipment: Approx \$50

13MT3 MATHEMATICS 1 – NCEA LEVEL 3 – leads to University/Tertiary study – contact Mr Sangster HOF Mathematics**❖ University approved subject****Prerequisites**

At least Achieved in all level 2 mathematical standards studied the previous year
HOD approval

Students will:

- Study this course if they are intending tertiary study and need a mathematical foundation for their tertiary subjects

NUMBER	DOMAIN	NAME OF STANDARD / DOMAINS: MATHEMATICS (M), STATISTICS (S)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91574	M	Apply linear programming methods in solving problems	3	3	I		L1
AS91576	M	Use critical path analysis in solving problems	3	2	I		L1
AS91580	S	Investigate time series data	3	4	I	L1	L1
AS91581	S	Investigate bivariate measurement data	3	4	I	L1	L1
AS91583	S	Conduct an experiment using experimental design principles	3	4	I		L1
AS91587	M	Apply linear systems in solving problems	3	3	I		L1
Internal Achievement Standards: 20			External Achievement Standards: 0		Total: 20		

13MT3 - Supplementary materials/equipment: Approx \$50

13HE1 HEALTH – NCEA LEVEL 3 – leads to University/Tertiary Study – contact Ms Lythe HOD Health**❖ University approved subject****Prerequisites**

At least 15 credits in Level 2 Health (12HE1) 'Achieved' or better in AS91235
OR HOD approval

Students will:

- Analyse and evaluate health issues, contemporary ethical issues, health practices and health promotion within New Zealand and internationally
- Study topics including methamphetamine use, western and CAM health practices, international health issues such as poverty and HIV, ethical issues such as pre-implantation genetic diagnosis (PGD) and current health promotion in our community

NUMBER /DOMAIN	NAME OF STANDARD / DOMAIN: HEALTH & PHYSICAL EDUCATION (HE)	LEVEL	CREDITS	INT/EXT	LIT	
AS91461	HE	Analyse a New Zealand health issue.	3	5	I	L1UEL
AS91462	HE	Analyse an International health issue.	3	5	E	L1UEL
AS91463	HE	Evaluate health practices currently used in New Zealand.	3	5	I	L1UEL
AS91464	HE	Analyse a contemporary ethical issue in relation to well-being	3	4	I	L1UEL
Internal Achievement Standards: 14		External Achievement Standards: 5		Total: 19		

13HE1 - Supplementary materials/equipment fee: Approx \$15

13OE1 OUTDOOR EDUCATION – NCEA LEVEL 3 – leads to University/Tertiary study – contact Mr Whitehead HOD Outdoor Education

❖ University Approved subject

Prerequisites

At least 18 credits in Level 2 Outdoor Education (12OE3) and achieved AS91334 and paid 12OE3 subject fee in full
OR HOD approval

Students will

- Become an active member of a group, a participant rather than a passenger by improving their communication skills, their social skills, their communal living skills, their personal responsibility, their self-esteem and their compassion for others.
- Strengthen their leadership skills
- Strengthen their planning skills, risk management and problem solving ability
- Learn the benefits of reflection and devise strategies for life-long participation in outdoor pursuits
- Participate in outdoor pursuits that could include: surfing, kayaking, tramping, rogaie, camping, mountain biking, solo

For more information on the 'Education Outside The Classroom' for this course please visit the MAGS Outdoor Education YouTube channel: <https://www.youtube.com/user/MAGSOutdoorEducation>

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: PHYSICAL EDUCATION (PE), OUTDOOR RECREATION (OR)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91498	PE	Evaluate physical activity experiences to devise strategies for life long well-being	3	4	I	L1	L1
AS91501	PE	Demonstrate quality performance of a physical activity in an applied setting	3	4	I		L1
AS91504	PE	Analyse issues in safety management for outdoor activity to devise safety management strategies	3	3	I	L1	
AS91505	PE	Examine contemporary leadership principles applied in physical activity contexts	3	4	I	L1 UELR	
AS91789	PE	Devise strategies for a physical activity outcome	3	4	I		
Internal Achievement Standards: 19			External Standards: Nil		Total: 19		

13OE1 - Supplementary materials/equipment fee: Approx. \$650

13PF1 PE PERFORMANCE – NCEA LEVEL 3 – leads to University/Tertiary Study – contact Mr Dempster HOF Physical Education

❖ University Approved subject

Prerequisites

At least 15 credits in Level 2 PE Performance (12PF1) and achieved or better in AS91328
OR HOD approval

Students will be involved in three areas of study

- Conduct a research project and encourage participation of the junior school
- Participate in a variety of fitness activities and explain how this will contribute to life-long wellbeing
- Conduct a biomechanical analysis of the overhead clear in badminton
- Evaluate a performance improvement programme in badminton

NUMBER	DOAMIN	NAME OF STANDARD/DOMAIN: PHYSICAL EDUCATION (PE)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91499	PE	Analyse a physical skill performed by self or others	3	3	I	L1	L1
AS91500	PE	Evaluate the effectiveness of a performance improvement programme.	3	4	I		
AS91501	PE	Demonstrate quality performance of a physical activity in an applied setting.	3	4	I	L1	L1
AS91502	PE	Examine a current physical activity, event, trend or issue and it's impact on NZ society.	3	4	1	L1	L1
AS91503	PE	Evaluate the use of health promotion to influence participation in physical activity. (either)	3	5	I	L1	L1
AS91789	PE	Devise Strategies for a physical activity outcome. (or)	3	4	I	L1	L1
Internal Achievement Standards: 19 or 20			Total: 19 or 20				

13PF1 - Supplementary materials/equipment fee: Approx \$140

13PFS PE PERFORMANCE SCHOLARSHIP – NCEA LEVEL 3 – leads to University/Tertiary Study – contact Mr Dempster HOF Physical Education

❖ University Approved subject

Prerequisites

Excellence in all Level 2 PE Performance (12PF1) standards.
OR HOD approval

Students will be involved in three areas of study:

- Devise strategies for Lifelong well-being.
- Participate in a variety of fitness activities and explain how this will contribute to life-long wellbeing
- Conduct a biomechanical analysis of the overhead clear in badminton
- Evaluate a performance improvement programme in badminton

NUMBER	DOAMIN	NAME OF STANDARD/DOMAIN: PHYSICAL EDUCATION (PE)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91499	PE	Analyse a physical skill performed by self or others	3	3	I	L1	L1
AS91500	PE	Evaluate the effectiveness of a performance improvement programme.	3	4	I		
AS91501	PE	Demonstrate quality performance of a physical activity in an applied setting.	3	4	I	L1	L1
AS91502	PE	Examine a current physical activity, event, trend or issue and it's impact on NZ society.	3	4	1	L1	L1
AS91498	PE	Evaluate physical activity experiences to devise strategies for lifelong well-being.	3	4	I	L1	L1
Internal Achievement Standards: 19			Total: 19				

13PFS - Supplementary materials/equipment fee: Approx \$140

13SC4 SPORTS COACHING– NCEA LEVEL – leads to Tertiary Studies – contact Mr Dempster HOF Physical Education

Prerequisites

At least 5 credits in Level 2 PE Performance (12PF1)
OR Achieved in AS91332, US22770, US21649 and US505 from Sports Leadership (12SL4)
OR HOD approval

Students will:

- Be given basic knowledge to assist in coaching a team
- Coach a team and organise the school cross-country event
- Be introduced to the fitness instructor role in a gymnasium
- Introduced to Sports Injuries and complete 1st Aid Certificate.

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CORE HEALTH (CH), EXERCISE PRESCRIPTION (EP), RECREATION SPORTS (RS)	LEVEL	CREDITS	INT/EXT
US22768	RS	Conduct and review a beginner level coaching session	3	6	I
US22771	RS	Plan a beginner level coaching session for sport participants	3	4	I
US6400	CH	Manage first aid in emergency situations	3	2	I
US6401	CH	Provide first aid	2	1	I
US6402	CH	Provide resuscitation level 2	1	1	I
US7021	RS	Demonstrate exercise techniques	3	8	I
US20673	RS	Demonstrate knowledge of injury prevention and risk and injury management in sport or recreation	3	4	I
Unit Standards: 26			Total: 26		

13SC4 - Supplementary materials/equipment fee: Approx \$50

13AG1 AGRICULTURAL and HORTICULTURAL SCIENCE – NCEA LEVEL 3 – leads to University study – contact

Miss Daffin HOD Agriculture/Horticulture

❖ University approved subject

Prerequisites

At least 10 credits in Level 2 Agriculture & Horticulture (12AG1)
OR at least 10 credits in Level 2 Biology (12BI1) and achieved or better in AS90459 (Genetics)
OR HOD approval

Students will:

- Develop fundamental knowledge of crucial areas of Agricultural and Horticultural Science, such as Agribusiness, plant and livestock management practices and the physical environment, which will form a sound basis for Tertiary study

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: AGRICULTURAL AND HORTICULTURAL SCIENCE (AHS)	LEVEL	CREDITS	INTEXT	LIT	NUM
AS91528	AHS	Carry out an investigation into an aspect of a New Zealand primary product or its production.	3	4	I	L1 UELR	L1
AS91529	AHS	Research and report on the impact of factors on the profitability of a New Zealand primary product.	3	6	I	L1 UELR	L1
AS91530	AHS	Demonstrate understanding of how market forces affect supply of and demand for New Zealand primary products.	3	5	E	L1 UELR	L1
AS91531	AHS	Demonstrate an understanding of how the production process meets the market requirements for a New Zealand primary product(s).	3	4	E	L1 UELR	
AS91532	AHS	Analyse a New Zealand primary production environmental issue.	3	5	E	L1 UELR	
Internal Achievement Standards: 10			External Achievement Standards: 14			Total: 24	

13AH1 - Supplementary materials/equipment fee: Approx \$45

13AG4 AGRICULTURAL SCIENCE – NCEA LEVEL 3 – leads to Tertiary study – contact Miss Daffin HOD Agriculture/Horticulture

Prerequisites

Students must have studied 12 Agricultural Science (12AG4)
At least 18 unit standard credits in 12 Agricultural Science (12AG4) including Achievement of US24557
OR HOD approval

All students must be able to demonstrate their ability to listen to and follow instructions for the safety of all students, staff and visitors

Places are limited. Meeting the prerequisite does not guarantee a place on the course.

Students will:

- Develop an understanding of integrated agricultural management with a sound foundation in theoretical and practical aspects
- Need to demonstrate their understanding of the practical implications in a New Zealand commercial farming context
- Gain extensive experience on the school farm
- Experience farming practices on a commercial farm
- Gain credits towards NCEA Level 3
- Study ATV Safety, Animal Behaviour, Welfare, Genetics and Diseases

NUMBER	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT
US19075	Demonstrate knowledge of calving, and associated diseases and health disorders	3	3	I
US24554	Ride an All Terrain Vehicle (ATV) on flat terrain	2	4	I
US24624	Demonstrate knowledge of cattle genetics and selection	3	5	1
US24638	Handle and treat sheep	3	6	1
US25829	Demonstrate knowledge of livestock breeding methods and programmes	4	3	1
Unit Standards: 21		Total: 21		

Supplementary materials/equipment fee: Approx \$45

13BIE BIOLOGY ENRICHED - NCEA LEVEL 3 – leads to University/Tertiary study – contact Miss Dunham HOD Biology**❖ University approved subject****Prerequisites**

At least 3 Merit grades in 12BIE Level 2/3 External Achievement Standards

OR HOD approval

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: BIOLOGY (BI)	LEVEL	CREDITS	INT/EXT	LIT
AS91601	BI	Carry out a practical investigation in a biological context, with guidance.	3	4	I	.1 UELRW
AS91602	BI	Integrate biological knowledge to develop an informed response to socio-science issue	3	3	I	.1 UELRW
AS91603	BI	Demonstrate understanding of the responses of plants and animals to their external environment	3	5	E	.1 UELRW
AS91606	BI	Demonstrate understanding of trends in human evolution	3	4	E	.1 UELRW
AS91604	BI	Demonstrate understanding of how an animals maintains a stable internal environment	3	3	I	.1 UELRW
Internal Achievement Standards: 6 External Achievement Standards: 9 Total: 5						

13BIE - Supplementary materials/equipment fee: Approx \$45**13BI1 BIOLOGY - NCEA LEVEL 3 – leads to University/Tertiary study – contact Miss Dunham HOD Biology****❖ University approved subject****Prerequisites**

At least Merit in AS91157 L2 Genetics and at least Achieved in the other two L2 External Achievement Standards.

OR HOD approval

Students will:

- Follow a rigorously academic course, which covers all the Level 2 achievement standards. This course is endorsable and is a University approved course

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: BIOLOGY (BI)	LEVEL	CREDITS	INT/EXT	LIT
AS91602	BI	Integrate biological knowledge to develop an informed response to socio-scientific issue.	3	3	I	L1 UELRW
AS91603	BI	Demonstrate understanding of the responses of plants and animals to their external environment.	3	5	E	L1 UELRW
AS91605	BI	Demonstrate understanding of evolutionary processes leading to speciation.	3	4	E	L1 UELRW
AS91606	BI	Demonstrate understanding of trends in human evolution.	3	4	E	L1 UELRW
AS91604	BI	Demonstrate understanding of how an animal maintains a stable internal environment.	3	3	I	L1 UELR
Internal Achievement Standards: 6 External Achievement Standards: 13 Total: 19						

13BI1 - Supplementary materials/equipment fee: Approx \$60**13BI2 BIOLOGY - NCEA LEVEL 3 – leads to University/Tertiary study – contact Miss Dunham HOD Biology****❖ University approved subject****Prerequisites**

At least 'Achieved' in AS91157 L2 Genetics and Achieved in one other L2 Biology External Achievement Standard OR HOD approval

Course Information:

This course is for those students who struggle with the more abstract concepts in Biology. One less standard is covered over the year when compared with BI1. This allows more time to be spent on the existing standards. This course is endorsable and is a University approved course

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: BIOLOGY (BI)	LEVEL	CREDITS	INT/EXT	LIT
AS91602	BI	Integrate biological knowledge to develop an informed response to socio-scientific issue.	3	3	I	L1 UELRW
AS91603	BI	Demonstrate understanding of the responses of plants and animals to their external environment.	3	5	E	L1 UELRW
AS91605	BI	Demonstrate understanding of evolutionary processes leading to speciation.	3	4	E	L1 UELRW
AS91604	BI	Demonstrate understanding of how an animal maintains a stable internal environment.	3	3	I	L1 UELR
Internal Achievement Standards: 6 External Achievement Standards: 9 Total: 15						

13BI2 - Supplementary materials/equipment fee: Approx \$60**13CME CHEMISTRY – NCEA LEVEL 3 – leads to University/Tertiary study – contact Miss Pulham HOD Chemistry****❖ University approved subject****Prerequisites**

Three Merit grades in the Level 2/3 External Achievement Standards and at least 12 credits in Level 2 Mathematics

OR HOD approval

Students will:

Follow a rigorously academic course, which covers all the Level 3 Achievement Standards. This course is endorsable and is a University approved course

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CHEMISTRY (C)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91387	C	Carry out an investigation involving quantitative analysis	3	4	I	L1UELW	L1
AS91388	C	Demonstrate understanding of spectroscopic data in chemistry	3	3	I		
AS91390	C	Demonstrate understanding of thermochemical principles and the properties of particles and substances	3	5	E	L1	
AS91392	C	Demonstrate understanding of equilibrium principles in aqueous systems	3	5	E	L1	L1
AS91393	C	Demonstrate understanding of oxidation-reduction processes	3	3	I	L1	
Internal Achievement Standards: 10 External Achievement Standards: 10 Total: 20							

13CME - Supplementary materials/equipment fee: Approx \$20

13CM1 CHEMISTRY – NCEA LEVEL 3 – leads to University/Tertiary study – contact Miss Pulham HOD Chemistry**❖ University approved subject****Prerequisites**

1 'Merit' and 2 'Achieved' grades in the Chemistry External Achievement standards and at least 12 credits in Level 2 Mathematics OR HOD approval

This is a rigorously academic course, which covers all the Level 3 Chemistry Achievement Standards. This course is endorsable and is a University approved course

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CHEMISTRY (C)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91388	C	Demonstrate understanding of spectroscopic data in chemistry	3	3	I		
AS91390	C	Demonstrate an understanding of thermochemical principles and properties of particles and substances	3	5	E	L1	
AS91391	C	Demonstrate understanding of the properties of organic compounds	3	5	E	L1	
AS91392	C	Demonstrate understanding of equilibrium principles in aqueous systems	3	5	E	L1	L1
AS91393	C	Demonstrate understanding of oxidation-reduction processes	3	3	I	L1	
Internal Achievement Standards: 6			External Achievement Standards: 15			Total: 21	

13CM1 - Supplementary materials/equipment fee: Approx \$40

13CM2 CHEMISTRY – NCEA LEVEL 3 – leads to University/Tertiary Study – contact Miss Pulham HOD Chemistry**❖ University approved subject****Prerequisites**

2 'Achieved' grades in the External Achievement standards from the Level 2 Chemistry OR HOD approval

This course is for those students who struggle with the more abstract and mathematical concepts in Chemistry. One less standard is covered over the year when compared with 13CM1. This allows more time to be spent on the other two standards. This course is endorsable

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: CHEMISTRY (C)	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91388	C	Demonstrate understanding of spectroscopic data in chemistry	3	3	I		
AS91390	C	Demonstrate an understanding of thermochemical principles and properties of particles and substances	3	5	E	L1	
AS91391	C	Demonstrate understanding of the properties of organic compounds	3	5	E	L1	
AS91393	C	Demonstrate understanding of oxidation-reduction processes	3	3	I	L1	
Internal Achievement Standards: 6			External Achievement Standards: 10			Total: 16	

13CM2 - Supplementary materials/equipment fee: Approx \$40

13SE1 EARTH AND SPACE SCIENCE – NCEA LEVEL 3 – leads to University/Tertiary Study - contact Mr Dockery

HOD Earth & Space Science

❖ University approved subject**Prerequisites**

At least 14 credits in a Level 2 Science (12SE1)

OR HOD approval

Open to Year 12 and 13 students only

Students will:

- Develop an in depth scientific understanding of the world's atmospheric and ocean systems

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: EARTH AND SPACE SCIENCE (ESS)	LEVEL	CREDITS	INT/EXT	LIT
AS91410	ESS	Carry out an independent practical Earth and Space Science investigation	3	4	I	L1 UELRW
AS91412	ESS	Investigate the evidence related to dating geological events	3	4	I	L1 UELRW
AS91413	ESS	Demonstrate understanding of processes in the ocean system	3	4	E	L1 UELRW
AS91414	ESS	Demonstrate understanding of processes in the atmospheric system	3	4	E	L1 UELRW
AS91415	ESS	Investigate an aspect of astronomy	3	4	I	L1 UELR
Internal Achievement Credits: 12			External Achievement Credits: 8			Total: 22 credits

13S11 - Supplementary materials/equipment fee: Approx \$30

13PYE PHYSICS ENRICHED – NCEA LEVEL 3 – leads to University/Tertiary Study – contact Mr Ashby HOD Physics**❖ University approved subject****Prerequisites**

Excellence endorsement in Level 2 Physics (12PYE)
OR HOD approval

Students will:

- Demonstrate an understanding of concepts, principles and models (of physics)
- Apply concepts and principles (of physics) to explain physical phenomena, systems and devices, in the following topics: rotational motion, simple harmonic motion, wave motion, electricity and magnetism, ac, and nuclear physics

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: PHYSICS (P)	LEVEL	CREDITS	INT/EXT	LIT
AS91527	P	Use Physics to develop an informed response to a socio-scientific issue	3	3	I	L1
AS91525	P	Demonstrate an understanding of modern physics	3	3	I	L1
AS91523	P	Demonstrate understanding of wave systems	3	4	E	L1
AS91524	P	Demonstrate understanding of mechanical systems	3	6	E	L1
AS91526	P	Demonstrate understanding of electrical systems	3	6	E	L1
Internal Achievement Standards: 6			External Achievement Standards: 16		Total: 22	

13PYE - Supplementary materials/equipment fee: Approx \$30 + \$21 for Schol Workbook

13PY1 PHYSICS – NCEA LEVEL 3 – leads to University/Tertiary Study – contact Mr Ashby HOD Physics**❖ University approved subject****Prerequisites**

At least Merit in AS91171 AND at least Achieved in AS91170, AS91172 and AS91173 in Level 2 Physics
OR HOD approval

Students will:

- Demonstrate an understanding of concepts, principles and models (of physics)
- Apply concepts and principles (of physics) to explain physical phenomena, systems and devices, in the following topics: rotational motion, simple harmonic motion, wave motion, electricity and magnetism, ac, and nuclear physics

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: PHYSICS (P)	LEVEL	CREDITS	INT/EXT	LIT
AS91527	P	Use Physics to develop an informed response to a socio-scientific issue	3	3	I	L1
AS91523	P	Demonstrate understanding of wave systems	3	4	E	L1
AS91524	P	Demonstrate understanding of mechanical systems	3	6	E	L1
AS91525	P	Demonstrate an understanding of modern physics	3	3	I	L1
AS91526	P	Demonstrate understanding of electrical systems	3	6	E	L1
Internal Achievement Standards: 6			External Achievement Standards: 16		Total: 22	

13PY1 - Supplementary materials/equipment fee: Approx \$30

13PY2 PHYSICS – NCEA LEVEL 3 – leads to University/Tertiary Study – contact Mr Ashby HOD Physics****Prerequisites**

Two Achieved grades in the External Achievement Standards in Level 2 Physics, one of which must be Mechanics
OR HOD approval

**** The 13PY2 course does not meet the Physics entry requirements of the BE (Hons) Degree at the University of Auckland**

Students will:

- Prepare for NCEA assessment at Level 2
- Study waves and light, mechanics, electricity and magnetism
- Have the opportunity to gain credits for Level 3 Physics by carrying out a practical investigation with a non-linear mathematical relationship requiring the use of expert experimental skills

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT
AS91527	P	Use Physics to develop an informed response to a socio-scientific issue	3	3	I	L1
AS91523	P	Demonstrate understanding of wave systems	3	4	E	L1
AS91524	P	Demonstrate understanding of mechanical systems	3	6	E	L1
AS91525	P	Demonstrate an understanding of modern physics	3	3	I	L1
Internal Achievement Standards: 6			External Achievement Standards: 10		Total: 16	

13PY2 - Supplementary materials/equipment fee: Approx \$45

13GE1 GEOGRAPHY – NCEA LEVEL 3 - leads to University/Tertiary study - contact Mr Adam HOD Geography**❖ University approved subject****Prerequisites**

At least 16 credits in Level 2 Geography (12GE1) including 'Achieved' or better in two externally assessed achievement standards, OR at least 16 credits in Level 2 English (12EN1 or 12EN2 - 2016)
OR HOD approval

Students will:

- Complete an in-depth analysis of Muriwai Beach as a coastal environment. Students will examine coastal process and on the fieldtrip learn how to monitor these
- Study cultural process topic through an examination of Tourism Development in Rotorua. There is a field trip to Rotorua, which examines how the city has become a centre for Domestic and International tourists
- Study Geographic skills in detail and applied in a number of different environments

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT	NUM
AS91426	GE	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment	3	4	E	L1 UELRW	
AS91427	GE	Demonstrate understanding of how a cultural process shapes geographic environment(s)	3	4	E	L1 UELRW	
AS91429	GE	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills.	3	4	E	L1 UELRW	
AS 91430	GE	Conduct geographic research with consultation	3	5	I	L1	L1
AS91431	GE	Analyse aspects of a contemporary geographic issue	3	3	I	L1 UELR	
AS91432	GE	Analyse aspects of a geographic topic at a global scale	3	3	I		
Internal Achievement Standards: 11			External Achievement Standards: 12			Total: 23	

13GE1 - Supplementary materials/equipment fee: Approx \$30 for skills book (Field trip cost - Muriwai: \$20 approx / Rotorua: \$300 approx)

13HI1 HISTORY- NCEA LEVEL 3 – leads to University/Tertiary study – contact Ms Markham HOD History**❖ University approved subject****Prerequisites**

At least 14 credits in Level 2 History (12HI1) including an 'Achieved' or better in AS91233
OR HOD approval (Students can pick up L3 History, without having studied L2 History but must have HOD approval)

Students will:

- Continue to build on or reintroduce skills previously learnt through the study of history at other levels
- Examine the nature of historical relationships when examining historical evidence
- The topics focus on social change through the spread of religious ideas, the power and influence of individuals in affecting change, and how competing ideologies can result in conflict. They will study: The Cold War's origin and impacts and complete internals from a variety of topics

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	INT/EXT	LIT
AS 91434		Research an historical event or place of significance to New Zealanders, using primary and secondary sources	3	5	I	L1 UELR
AS 91435		Analyse an historical event, or place, of significance to New Zealanders	3	5	I	L1 UELR
AS 91436		Analyse evidence relating to an historical event of significance to New Zealanders.	3	4	E	L1 UELRW
AS 91437		Analyse different perspectives of a contested event of significance to New Zealanders	3	5	I	L1 UELR
AS 91438		Analyse the causes and consequences of a significant historical event.	3	6	E	L1 UELRW
Internal Achievement Standards: 15			External Achievement Standards: 10			Total: 25

13HI1 - Supplementary materials/equipment fee: Workbooks \$12

13TT4 TRAVEL & TOURISM – NCEA LEVEL 3 – leads to Tertiary study – contact Mr Adam HOD Travel & Tourism**Prerequisites**

All compulsory Units at Level 2 and at least 18 credits in Level 2 Travel and Tourism (12TT4)
This is the second year of a two year course and students must meet the minimum below to be allowed to continue OR completion of AS12555

Students will:

- Continue the Level 2 course
- Be encouraged to gain the National Certificate in Travel and Tourism Introductory Skills Level 2
- Study topics including examining tourist destinations such as Australia and Pacific Islands

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: TRAVEL (TR), VISITOR SERVICES (VS)	LEVEL	CREDITS	INT/EXT
US3727	TR	Demonstrate knowledge of Pacific Island countries as tourist destinations	3	8	I
US18211	TR	Demonstrate knowledge of Australia as a tourist destination	3	8	I
US18212	VS	Demonstrate knowledge of NZ as a Tourist Destination	3	8	I
US24733	VS	Describe and promote a NZ Tourist Destination	3	4	I
Unit Standards: 28			Total: 28		

13TT4 - Supplementary materials/equipment fee: Nil

13BC4 BUILDING & CARPENTRY – NCEA LEVEL 3 – leads to Tertiary study – contact Mr van Zyl HOF Technology**Prerequisites**

At least 21 credits in Level 2 Building and Carpentry (12BC4)
AND HOD approval

Students will:

- Learn theory units, which are supported by practical skills. The theory components of the course are actual unit standards taken from the BCITO National Certificates
- This course is for students wanting a trade career in the construction industry

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: CORE CONSTRUCTION (CC), CARPENTRY(C)	LEVEL	CREDITS	INT/EXT
US12997	CC	Demonstrate knowledge of safe working practices on construction sites	3	3	I
US12998	C	Demonstrate knowledge of carpentry hand tools	3	4	I
US12999	C	Demonstrate knowledge of timber machining equipment used on construction sites	3	3	I
US13000	C	Demonstrate knowledge of portable power tools used on construction sites	3	4	I
US13002	C	Demonstrate knowledge of timber used in construction	3	2	I
US24378	C	Perform building calculations	3	4	I
Unit Standards: 20			Total: 20		

13BS4 - Supplementary materials/equipment cost: \$65

13VC1 VISUAL COMMUNICATION – NCEA LEVEL 3 – leads to University/Tertiary study– contact Mr van Zyl HOF Technology**✦ University approved subject - Available at Scholarship Level****Prerequisites**

At least 16 credits in Level 2 Visual Communication (12VC1)
AND HOD approval

Students will:

- Work on a range of assignments based on the DVC syllabus. The quality of assignments and course work. Is expected to be at a level superior to Level 2. More complex design briefs development, computer aided design skills and understanding and visual communication skills will be required as well as a wider range of modes and media application
- Study architectural/landscape, media/technical illustration and the production of engineering/technological drawing in their assignments
- Be required to present a research assignments based on design and the implications of design on society
- Be required to supply their own A3 folder and instrumental drawing and rendering equipment

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: TECHNOLOGY (T)	LEVEL	CREDITS	INT/EXT
AS91630	T/DVC	Resolve a product design through a DVC practice	3	6	I
AS91629	T/DVC	Resolve a spatial design through DVC practice	3	6	I
AS91628	T/DVC	Develop a visual presentation that exhibits a design outcome to an audience.	3	6	I
AS91627	T/DVC	Initiate design ideas through exploration	3	4	E
Internal Achievement Standards: 18			External Achievement Standards: 4		Total: 22

13DV1 - Supplementary materials/equipment cost: \$60

13FH4 FOOD & HOSPITALITY – NCEA LEVEL 3 – leads to Tertiary study– contact Mrs Sood HOD Food Technology

This course is run in partnership with AIS. Entry is restricted to thirty students only.

Prerequisites

Year 12 Food & Hospitality AND HOD approval

Students who wish to take this course must be committed to all aspects of the learning and have exemplary attendance.

Students will:

- Spend one day a week from 11am to 2.30pm at AIS working in the café.
- Continue the introduction from Level 1 Food and Hospitality, improving practical skills and knowledge
- Gaining catering experience and providing meals for others will form part of their learning

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: COOKERY (CY), FOOD & BEVERAGE SERVICE (FBS), FOOD SAFETY (FS)	LEVEL	CREDITS	INT/EXT
US13282	CY	Prepare, assemble, and present complex sandwiches for service in a commercial kitchen	3	2	I
US13293	CY	Prepare and cook vegetable dishes in a commercial kitchen	3	6	I
US13316	CY	Prepare and cook basic pasta dishes in a commercial kitchen	3	3	I
US13325	CY	Prepare and bake basic cakes, sponges, and scones in a commercial kitchen	3	4	I
US14441	FBS	Provide counter food and beverage service in a commercial hospitality environment	3	3	I
US17288	FB	Prepare and present espresso beverages for service	3	2	I
Unit Standards: 20			Total: 20		

13FH4 - Supplementary materials/equipment cost: Approx \$200

13ME4 MECHANICAL ENGINEERING – NCEA LEVEL 3 – leads to Tertiary study – contact Mr van Zyl HOF Technology

Prerequisites

Completed Level 2 Mechanical Engineering (12ME4)
AND HOD approval

Students will

- Continue on from Level 2 Mechanical Engineering, gaining a higher level of engineering skills
- Develop advanced skills with the equipment used in Level 2
- Working on projects of a more complex nature
- Create a working/functioning engineering mechanism/model

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: MATERIALS TECHNOLOGY (MT),ENGINEERING MATERIALS (EM), ENGINEERING CORE SKILLS (ECS), TECHNOLOGY (T)	LEVEL	CREDITS	INT/EXT
AS 91620	T	Implement complex procedures to integrate parts using resistant materials to make a specified product	3	6	I
AS 91625	T	Demonstrate understanding of a complex machine	3	3	I
AS91624	T	Demonstrate understanding of a structural system	3	3	I
US20799	EM	Demonstrate knowledge of common engineering metals	3	4	I
Internal Achievement Standards: 16			Total: 16		

13ME4 - Supplementary materials/equipment cost: \$65

13TP1 TECHNOLOGY PRODUCT DESIGN – NCEA LEVEL 3 – contact Mr van Zyl HOF Technology

❖ University approved subject - Available at Scholarship Level

Prerequisites

At least 16 credits in Level 2 Technology Product Design (12TP1)
AND HOD approval

Students will:

- Develop an increased understanding of technological knowledge and skills in identifying problems within a context
- Develop a brief and manufacture a solution to address the problem, situation, need or opportunity identified
- Produce a visual diary that will clearly illustrate and explain how their understanding and research has informed their practice
- Cover the three main strands of technology – technological practice, technological knowledge and the nature of technology
- Use problem solving skills to work through a series of events to develop a solution, using a range of skills, research tools and processes
- The course has a very high literacy expectation/demand and requires good time management skills
- Need skills in design and evaluation as well as being able to research and document evidence relating to their design
- Drawing and presentation skills of students needs to be of a good standard as well as workshop skills and safety and knowledge

The Unit and Assessment standards listed below are indicative only and may change

NUMBER	DOMAIN	NAME OF STANDARD / DOMAIN: TECHNOLOGY (T)	LEVEL	CREDITS	I	NT/EXT	LIT
AS91610	T	Develop a conceptual design considering fitness for purpose	3	6		I	
AS91611	T	Develop a prototype considering fitness for purpose in the broadest sense	3	6		I	
AS91622	T	Implement complex procedures to make a specified product using a Computer Numerical Controlled (CNC) machine	3	4		I	
AS91612	T	Demonstrate understanding of how technological modeling supports technological development and implementation	3	4		E	UELW
Internal Achievement Standards: 16			External Achievement Standards: 4		Total: 20		

13TH1 - Supplementary materials/equipment cost: \$65

13RM1 TE REO MĀORI – NCEA LEVEL 3 – leads to University/Tertiary study – contact Ms Paul HOF Te Reo Māori

❖ University approved subject

Prerequisites

At least 16 credits in Level 2 Te Reo Māori (12RM1) including one external standard
OR HOD approval

Students will:

- Study five topics of work: Korero, Whakarongo, Waihangā tuhi, Panui, Tuhi okawa
- Undertake field trips

NUMBER / DOMAIN	NAME OF STANDARD /DOMAIN: REO MĀORI (RM)	LEVEL	CREDITS	INT/EXT	LIT	
AS91650	RM	Whakarongo kia mōhio ki te reo Māori o te ao whānui	3	4	I	L1
AS91651	RM	Kōrero kia whakamahia i te reo Māori o te ao whānui	3	6	I	L1
AS91652	RM	Pānui kia mōhio ki te reo Māori o te ao whānui	3	6	E	L1
AS91653	RM	Tuhi i te reo Māori o te ao whānui	3	6	E	L1
AS91654	RM	Waihangā tuhinga whai take i te reo Māori o te ao whānui	1	6	I	L1
Internal Achievement Standards: 16		External Achievement Standards: 12		Total: 28		

13RM1 - Supplementary materials/equipment fee: Approx \$40

13RR1 TE REO RANGATIRA – NCEA LEVEL 3 – leads to University/Tertiary study – contact Ms Paul HOF Te Reo Māori**❖ University approved subject****Prerequisites**

At least 18 credits in Level 1 Te Reo Rangatira (12RR1), including two external standards
OR HOD approval

Students will:

- Study 5 strands of learning, Korero, Whakaongo, Panui, Tuhituhi, Whakaaturanga
- Under take field trips
- Speak in Immersion settings

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN REO MĀORI (RM)	LEVEL	CREDITS	INT/EXT	LIT
AS90536	RM	Whakarongo ki te reo kaumatua	3	3	E	L1
AS90785	RM	Matapaki i te kaupapa e taunga ana	3	3	I	L1
AS90786	RM	Panui i te tuhinga roa	3	3	I	L1UELR
AS90787	RM	Whakaputa i te tuhinga roa	3	3	I	L1UELR
AS90788	RM	Ohia ki te korero mo te kaupapa pupu noa	3	3	I	L1
AS90789	RM	Panui i nga tuhinga popoto	3	3	E	L1UELR
AS90790	RM	Tuhituhi whakaaro e hangai ana ki te kaupapa	3	3	E	
AS90791	RM	Whakarite, whakaputa i te whakaaturanga	3	3	I	
Internal Achievement Standards: 15			External Achievement Standards: 9			Total: 24

13RR1 - Supplementary materials/equipment fee: \$40

13MP4 TE WAHAROA – MĀORI PERFORMING ARTS – NCEA LEVEL 3 – contact Ms Paul HOF Te Reo Māori**Prerequisites**

16+ credits in Level 2 Te Reo Rangatira (12RM1), including two external standards
OR Merit/Excellence endorsement at Level 3 Te Reo Māori
OR HOD approval

Students will:

- Study Tikanga, Waiata, Pohiri, Performance, Atua, Resources

Note: Te Reo Māori achievement standards and Te Reo Māori unit standards at Levels 3 & 4 need to be completed as well as the above standards in order to be awarded the National Certificate in Māori Performing Arts Level 4

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN REO MĀORI (RM)	LEVEL	CREDITS	INT/EXT
US1613	TC	Demonstrate knowledge of the use of whakapapa	3	2	I
US16165	TC	Describe a hui and the roles associated with hui in accordance with tikanga	3	2	I
US16166	TC	Explain key concepts and practices associated with pohiri	3	2	I
US19626	TC	Describe the use of moteatea	3	4	I
US19627	TC	Describe the use of whakatauki	3	4	I
US22756	MP	Perform a Maori performing arts bracket	3	10	I
US22757	MP	Demonstrate knowledge of the historical development of Maori performing arts	3	6	I
Unit Standards: 30			Total: 30		

13MP4 - Supplementary materials/equipment fee: \$40

13KH3 KAPA HAKA – NCEA LEVEL 3 – contact Ms Paul HOF Te Reo Māori**Prerequisites**

Students must register in Term 4, 2016 with HOD Maori and follow Kapa Haka programme
AND HOD approval

Students will

- Undertake a practical course that will cover all areas of competitive Kapa Haka performance
- Study Tikanga, Waiata, Powhiri, Performance, Resources

Note: All students must

Meet a minimum 85% attendance at all Kapa Haka scheduled practices, wānanga, meetings and performances

AND

Must make the (final) performance team, including reserves

This class is run outside the timetable with attendance taken during terms 1 and 4

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN REO MĀORI (RM)	LEVEL	CREDITS	INT/EXT
AS91591	DN	Perform a group dance.	3	4	I
AS91592	DN	Perform a repertoire of contrasting dances.	3	6	I
US22756	MP	Perform a Maori performing arts bracket	3	10	I
Unit Standards: 10			Achievement Standards: 10		Total: 20

13KH3 - Supplementary materials/equipment fee: \$120

ENGLISH LANGUAGE COURSE - contact Mrs Godber HOF English Language

When reading the Senior Academic Guide for English Language (EL) please remember the following;

1. English Language Unit Standards compare to the Common European Framework of Reference (CEFR) as follows

English Language (EL) Unit Standards	*CEFR (see note No. 4)
EL Level 1	Low A1- low A2
EL Level 2	High A2- low B1
EL Level 3	B1
EL Level 4	B2
EL Level 5	C1

2. All English Language assessments are conducted in English, which must not be the candidate's first language.
3. Please check with the HOF when choosing these courses to confirm any changes.
4. * The English Language Unit Standards are at a level comparable to the Common European Framework of Reference for Languages (CEFR) and also contribute to the New Zealand Certificates in English Language.
5. EAP unit standards Level 4 are under the English for Academic Purposes domain. (EAP)

Note: All ESOL and EAP courses need approval by the HOF*

11E14 ENGLISH INTERNATIONAL – ENGLISH LANGUAGE COURSE LEVEL 2 - contact Mrs Godber HOF English Language

This course may be taken over 2 years

Prerequisites

HOF approval

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: ENGLISH FOR SPEAKERS OF OTHER LANGUAGE (ESOL)	LEVEL	CREDITS	INT/EXT
US 27983	English Language	Read and understand simple texts on familiar topics. (EL)	EL 2	8	I
US 27991	English Language	Participate in simple spoken exchanges on personal and familiar topics. (EL)	EL 2	10	I
US 27999	English Language	Write simple texts on familiar topics (EL)	EL 2	8	I
US 28022	English Language	Demonstrate understanding of simple spoken information on familiar topics. (EL)	EL 2	5	I
Internal Unit Standards			Total: 31		

11E14 - Supplementary materials/equipment fee: Nil

11ES4 ENGLISH LANGUAGE COURSE LEVEL 2 - contact Mrs Godber HOF English Language

This course may be taken over 2 years

Prerequisites

HOF approval

NUMBER	DOMAIN	NAME OF STANDARD /DOMAIN: ENGLISH FOR SPEAKERS OF OTHER LANGUAGE (ESOL)	LEVEL	CREDITS	INT/EXT
US27983	English Language	Read and understand simple texts on familiar topics. (EL)	EL 2	8	I
US27991	English Language	Participate in simple spoken exchanges on personal and familiar topics. (EL)	EL 2	10	I
US 27999	English Language	Write simple texts on familiar topics (EL)	EL 2	8	I
US28022	English Language	Demonstrate understanding of simple spoken information on familiar topics. (EL)	EL 2	5	I
Internal Unit Standards			Total: 31		

11ES4 - Supplementary materials/equipment fee: Approx \$30

12E14 ENGLISH INTERNATIONAL – ENGLISH LANGUAGE COURSE LEVEL 3 - contact Mrs Godber HOF English Language

This course may be taken over 2 years

Prerequisites

HOF approval

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: ENGLISH FOR SPEAKERS OF OTHER LANGUAGE (ESOL)	LEVEL	CREDITS	INT/EXT
US 28052	English Language	Demonstrate understanding of detailed spoken instructions (EL)	EL 3	5	I
US 28056	English Language	Read and understand texts on familiar topics (EL)	EL 3	5	I
US 28064	English Language	Present information on a familiar topic (EL)	EL 3	5	I
US 28068	English Language	Write texts on familiar topics (EL)	EL 3	5	I
Internal Unit Standards			Total: 20		

12E14 - Supplementary materials/equipment fee: Nil

12ES4 ENGLISH LANGUAGE COURSE – LEVEL 3 - contact Mrs Godber HOF English Language

This course may be taken over 2 years

Prerequisites

HOF approval

NUMBER	DOMAIN	NAME OF STANDARD/DOAMIN: ENGLISH FOR SPEAKERS OF OTHER LANGUAGE (ESOL)	LEVEL	CREDITS	INT/EXT
US 28052	English Language	Demonstrate understanding of detailed spoken instructions (EL)	EL 3	5	I
US 28056	English Language	Read and understand texts on familiar topics (EL)	EL 3	5	I
US 28064	English Language	Present information on a familiar topic (EL)	EL 3	5	I
US 28068	English Language	Write texts on familiar topics (EL)	EL 3	5	I
Internal Unit Standards			Total:	20	

12ES4 - Supplementary materials/equipment fee: Approx \$30

13ES4 ENGLISH FOR ACADEMIC PURPOSES – EAP LEVEL 4 - contact Mrs Godber HOF English Language

This course may be taken over 2 years.

Please confirm with the HOD, at the beginning of the year, if US 22891 and US 22892 are being assessed during the year.

Prerequisites

HOF approval

NUMBER	DOMAIN	NAME OF STANDARD/DOMAIN: ENGLISH FOR ACADEMIC PURPOSES (EAP)	LEVEL	CREDITS	INT/EXT	LIT
US22750	EAP	Write a crafted text using researched material for an academic purpose	EAP 4	5	I	UELW
US22751	EAP	Read and process information for academic purposes	EAP 4	5	I	UELW
US22891	EAP	Deliver an oral presentation for an academic purpose	EAP 4	5	I	
US22892	EAP	Demonstrate understanding of spoken texts and process information for an academic purpose	EAP 4	5	I	
Internal Unit Standards			Total:	20		

13ES4 - Supplementary materials/equipment fee: Nil

TERTIARY

There are eight Universities in New Zealand and two Institutes of Technology in Auckland.

To access information regarding these go to the school website www.mags.school.nz under 'School Information', 'Careers Department', 'Tertiary Links'. This will enable you to click on the link to the Institution's website to access information about subjects and course entry requirements.



Fact Files:

Subject Selection and Tertiary Course Entrance Information

(All pdf downloads)

Architecture-Construction

Arts-and-Education

Commerce-and-Property

Communications and-Performing-Arts

Computing-IT

Engineering

Fine Arts & Design

Hospitality-Travel-Tourism-Event-Management

Law

Medicine-Dentistry-Optometry-Pharmacy

Nursing & other health careers

Physical-Education-Sport

Visual Arts Subjects

Visual Arts Careers