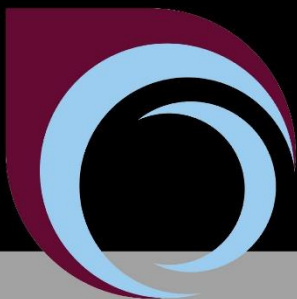




LEVELS 1 – 3 2017 INFORMATION BOOK



BOTANY DOWNS
Secondary College



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MESSAGE FROM MRS BRINDSEN

*This course selection booklet contains the information on all courses that **may be** offered at Botany Downs Secondary College in 2017 for our Level 1, 2 and 3 students. Your choice of courses will determine our senior school timetable structure and enable us to plan for resources and staffing. At Level 1 English, Mathematics and Science will be compulsory and students can choose three other options from a wide range of subjects. At Level 2 only English will be compulsory and students can choose five other options. At Level 3 there are no compulsory subjects and students will choose 5 subjects.*

Your choice of courses may impact on opportunities in later years of study so it is important that you keep your subject choices as varied as possible. Your College years are a time for exploring ideas and possibilities and finding out more about yourself. In making these decisions it is essential to look forward and consider carefully all the options. Your choices of courses will be influenced by your interests, abilities and proposed career path. It is important that you are interested in and enjoy the courses you choose. Some courses which are not related strongly to a career may provide a base for a lifelong interest or hobby. Courses have value in the development of both specific and generic skills, not just knowledge content. Many students have not yet decided on a specific career path so it is important that you research the careers and vocational pathways that may interest you and discuss with or get advice from the Careers Adviser, your teachers, your mentor and parents.

Students entering Level 1 at Botany Downs Secondary College must realise that this year is the start of a three year senior programme with the potential to lead to further tertiary studies. All students should view the senior programme as a three-year commitment and are encouraged to continue their schooling through to the end of Year 13. As a student of BDSC, you must be prepared to work hard and tackle the requirements of the rigorous, advanced courses on offer. In return the school guarantees that we will give the best teaching, guidance and support to help all students achieve the highest level of success possible.

National Certificate of Educational Achievement (NCEA) has a mixture of internal assessments and rigorous external examinations. NCEA is a highly regarded qualification both nationally and internationally and allows students the opportunities to excel in their own areas of strength. The reporting of individualised results, instead of giving a mark, provides a breakdown of student attainment in every aspect of the course. Students and parents are provided with more accurate information upon which to make decisions about future course choices and career pathways. This document contains information for you to familiarise yourself with NCEA. If students or parents want more information about NCEA please contact me at school.

Your Whanau Leaders and course teachers will expect you to be familiar with everything contained in this book so you can make informed decisions about your future courses.

*The option selection process will commence on Wednesday 17th August. We ask that students have completed their course selection by **Wednesday 24th August**. There will be the opportunity for students to make changes to their selected course later in the year if required. If not enough students, select a particular course it may not be offered next year.*

We hope that this process will start you thinking about the avenues open to you. If you need more information, please contact the school to talk to one of our staff member who can assist.

Karen Brinsden
Principal

SCHOOL CONTACTS

Botany Downs Secondary College
575 Chapel Road, Howick
Auckland 2016

Phone (09) 273-2310

Fax (09) 273-8551

Email - admin@bdsc.school.nz

Web Site - www.bdsc.school.nz

SENIOR LEADERSHIP TEAM

Principal	<i>K. Brinsden</i>
Associate Principal	<i>F. Cottam</i>
Deputy Principal	<i>M. Hart</i>
Deputy Principal	<i>C. Williams</i>
Director of Academic Studies	<i>C. Van Kralingen</i>

HEADS OF LEARNING AREAS

English	<i>K. Logan</i>
Health and Physical Education	<i>J. Saville</i>
Languages	<i>M. Lodge</i>
Mathematics and Statistics	<i>I. Bennet</i>
Science	<i>L. Kumar</i>
Social Sciences	<i>M. Andrew</i>
Technology	<i>D. Achary</i>
Visual and Performing Arts	<i>J. Hood, L. Treneman, T. Clapperton, A. Rakanui</i>

WHÄNAU HOUSE LEADERS

Blake Whānau	<i>A. Taylor</i>
Britten Whānau	<i>D. McGregor</i>
Discovery Whānau	<i>N. Folks</i>
Endeavour Whānau	<i>K. Adams</i>
Koru Whānau	<i>C. Joyce (acting for J. Clark)</i>
Spirit Whānau	<i>S. Jackson</i>

STUDENT SERVICES

Guidance Counsellor	<i>L. Rowe</i>
Careers Advisor	<i>M. Drum</i>
Trade Academies/Vocational Pathways	<i>S. Malone</i>

INTRODUCTION

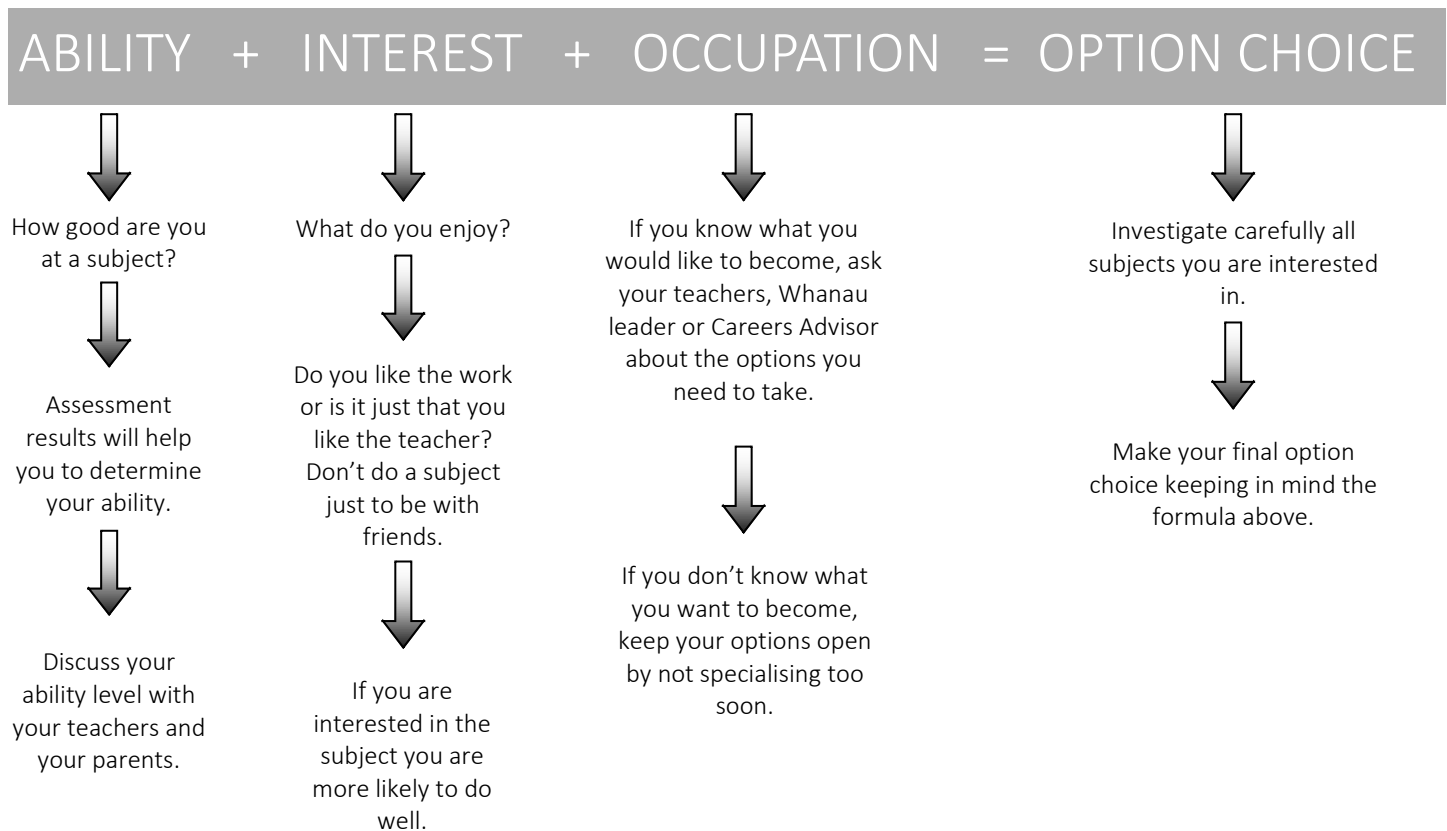
This option booklet provides senior students and parents/guardians with information about the subjects available in Levels 1, 2 and 3 at Botany Downs Secondary College. Students have a wide range of options to choose from and it is critical that decisions about option choices are made carefully. It becomes increasingly difficult for students to change academic direction as they progress further into senior secondary school and tertiary institutions. Students should endeavour to follow a broad-based general course of study for as long as possible. Early specialisation is not recommended.

As you plan your course and choose your options check:

- The level at which each subject stops
- The **prerequisites and co-requisites** for entry to each subject
- The number of credits generated by each subject
- The proportion of internal and external assessment in each subject
- Whether the subject offers **Achievement Standards** or **Unit Standards** or a combination
- Whether or not the subject is on the University approved list of subjects (see page 15)
- What subjects, credits, grades are required for entry to the University or Technical institute course you are interested in
- The total subject course costs including the cost of fieldwork
- That this subject equips you with skills, content and understandings you need to enter a certain career path
- The pathway model to see what this subject will enable you to do in future years
- That you have sufficient flexibility to change your course design if your career goals change

To make good decisions you need the right information. Discuss your subject choices with your family, teachers, Whanau House leader and Careers Advisor. **Think carefully, consult widely and choose wisely.**

All course cost amounts are estimated.



THE NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT NCEA

NCEA is the national qualification for senior secondary school students in New Zealand. Individual subjects are subdivided into Achievement Standards some of which are assessed internally and some externally through NZQA national examinations. Each standard clearly identifies what a student must do in order to achieve the standard.

Students will complete courses at each level of the National Qualifications Framework and will be assessed on the learning attained in each course. Each assessment generates credits that contribute to a certificate at Level 1, 2 or 3 of the National Qualification Framework. These credits are achieved through: -

INTERNALLY ASSESSED ACHIEVEMENT STANDARDS

These Achievement Standards are assessed as part of the learning programme e.g. research assignments, portfolios, practical work, tests.

EXTERNALLY ASSESSED ACHIEVEMENT STANDARDS

These Achievement Standards assess knowledge and skills through a national external examination

UNIT STANDARDS

These are internally assessed standards that are assessed at the school during the year as learning takes place and can also contribute credits to the NCEA.

SUPPLEMENTARY COURSES DEVELOPED BY EXTERNAL PROVIDERS

These are courses that students can complete alongside their selected subjects e.g. IC3. These courses can also contribute credits to the NCEA.

There are two different levels of Achievement for Unit Standards: -

NOT ACHIEVED N OR NA

Students have not met the required standard.

ACHIEVED A

Students have met the required standard.

Curriculum Alignment Process: The Ministry of Education, in association with the New Zealand Qualifications Authority, contracted national subject associations to review all curriculum-related standards so that they are aligned to The New Zealand Curriculum. This review has addressed issues of duplication between standards and ensured credit parity. The review of standards and associated units of work for Level 3 NCEA was completed in 2013.

There are four different levels of Achievement for Achievement Standards:-

NOT ACHIEVED N OR NA

Students have not met the required standard

ACHIEVED A

Students have met the required standard.

MERIT M

Students have achieved the standard with Merit.

EXCELLENCE E

Students have achieved the standard with Excellence.

ENDORSEMENT OF CERTIFICATES

All successful students are awarded NCEA at the end of each year's study (level 1, level 2, and level 3). These results show that a student has achieved the required number of credits at a particular level (including specified literacy and numeracy requirements at level 1). Each standard carries a specific number of credits which count towards the qualification.

To encourage students to do their best, those who gain sufficient credits at Merit (50 credits at Merit or above) or Excellence (50 credits at Excellence level) will have this recognised on their qualification, for example a student can receive an NCEA Level 1 certificate with Merit or an NCEA Level 1 certificate with Excellence. In 2015:

- of 45,653 candidates gaining NCEA Level 1, 34.5% gained endorsement with Merit, and 18.7% gained endorsement with Excellence.
- of 42,637 candidates gaining NCEA Level 2, 26.5% gained endorsement with Merit, and 14.9% gained endorsement with Excellence.
- of 31,302 candidates gaining NCEA Level 3, 28.2% gained endorsement with Merit and 13.7% gained endorsement with Excellence.

COURSE ENDORSEMENT

Students are also able to gain further recognition for their achievements by gaining Merit or Excellence endorsement in individual courses. Students will receive an Excellence endorsement if they gain 14 or more credits at Excellence level, while students gaining 14 or more credits at Merit (or Merit and Excellence) will gain a Merit endorsement. For Course Endorsement, at least 3 of the 14 credits must be from internally assessed standards, and 3 from external assessment (national examinations), to demonstrate students are competent in both forms of assessment. This endorsement will be recorded on the student's Result Notice.

Reporting Not Achieved

Not Achieved results are reported on the results notice for both internally and externally assessed standards.

NCEA LEVEL 1 CREDIT OVERVIEW

All Level 1 students at Botany Downs Secondary College will take **six** subjects. Three of these are **compulsory** (Maths, English and Science) and three are optional. Each subject generates between 15-21 possible credits. Students will therefore have the opportunity to achieve up to 126 possible credits. Some subjects have Unit Standards. These generate credits towards the qualification but they do not gain Merit or Excellence grades.

ACHIEVING LEVEL 1 NCEA

In order to be awarded NCEA Level 1 students must achieve at least **80 credits at Level one or higher**. There are additional literacy and numeracy requirements that must be met to achieve NCEA Level 1. Students must achieve at least **10 literacy credits** and at least **10 numeracy credits** in either specified achievement standards or unit standards (refer to additional information on page 10). The quality of the National Certificate for each student will depend on the total number of credits gained and the grades achieved.

OVERVIEW OF LEVEL 1 COURSES BY QUALIFICATION TYPE

ACHIEVEMENT STANDARDS	COMBINATION	UNIT STANDARDS
Accounting Art - Visual Art - Digital Business Studies Dance Design and Visual Communication Digital Technology Drama Economics Electronics English English – Alternative English as an Additional Language Food Technology French Geography Health Education History Japanese Mathematics and Statistics Mathematics and Statistics Extended Mathematics and Statistics Alternative Media Studies Music Physical Education Science Science - Alternative Supplementary Science Spanish Technology - Multi-materials Textiles Technology		Early Childhood Education English as an Additional Language-ENP Food & Hospitality Microsoft Office Specialist Work and Community Skills

There is a great deal of additional information available from the NZQA website: www.nzqa.govt.nz

NCEA LEVEL 2 CREDIT OVERVIEW

All Level 2 students at Botany Downs Secondary College will take **six** subjects. English is **compulsory** but the remaining five subjects are optional. Each subject generates between 15-21 possible credits. Students will therefore have the opportunity to achieve up to 126 possible credits. Some subjects have Unit Standards. These generate credits towards the qualification but they generally do not gain Merit or Excellence grades.

ACHIEVING LEVEL 2 NCEA

In order to be awarded NCEA Level 2 students must achieve at least **80 credits**. At least 60 of these credits must come from Level 2 or higher and up to 20 credits can come from Level 1. The quality of the National Certificate for each student will depend on the total number of credits gained and the grades achieved.

OVERVIEW OF LEVEL 2 COURSES BY QUALIFICATION TYPE

ACHIEVEMENT STANDARDS	COMBINATION	UNIT STANDARDS
Accounting Art History Biology Business Studies Chemistry Classical Studies Dance Design and Visual Communication Digital Technology Digital Technology with Programming Drama Economics English English Alternative English as an Additional Language Food Technology French Geography Health Education History Japanese Mathematics and Statistics Mathematics and Statistics Alternative Mathematics and Statistics Extended Media Studies Music Physical Education Physics Spanish Technology - Multi-materials Textiles Technology Visual Art - Design Visual Art - Painting Visual Art - Photography	Outdoor Education Sports Leadership	Automotive Engineering Building Construction Career Pathways Early Childhood Education Electronics Financial Studies Food and Hospitality Microsoft Office Specialist Travel and Tourism

There is a great deal of additional information available from the NZQA website: www.nzqa.govt.nz

NCEA LEVEL 3 CREDIT OVERVIEW

All Level 3 students at Botany Downs Secondary College will take **five** subjects. There are **no compulsory subjects** at Level 3. Each subject generates between 15-24 possible credits. Students will therefore have the opportunity to achieve up to 120 possible credits. Some subjects have Unit Standards. These generate credits towards the qualification but they do not gain Merit or Excellence grades.

ACHIEVING LEVEL 3 NCEA

In order to be awarded NCEA Level 3 students must achieve at least **80 credits**. At least 60 of these credits must come from Level 3 or higher and up to 20 credits can come from Level 2. The quality of the National Certificate for each student will depend on the total number of credits gained and the grades achieved.

OVERVIEW OF LEVEL 3 COURSES BY QUALIFICATION TYPE

ACHIEVEMENT STANDARDS	COMBINATION	UNIT STANDARDS
Accounting Art History Biology Business Studies Calculus Calculus - Alternative Chemistry Classical Studies Dance Design and Visual Communication Digital Technology Digital Technology with Programming Drama Economics English English - Extended English - Alternative English as an Additional Language Food Technology French Geography Health Education History Japanese Mathematics Media Studies Music Studies Making Music (Practical) Physical Education Physics Spanish Statistics and Probability Statistics and Probability - Alternative Technology - Multi-materials Textiles Technology Visual Art - Painting Visual Art - Design Visual Art - Photography	Outdoor Education Sports Leadership	Career Pathways Early Childhood Education Electronics Financial Studies Food and Hospitality Microsoft Office Specialist Travel and Tourism

There is a great deal of additional information available from the NZQA website: www.nzqa.govt.nz

LITERACY AND NUMERACY

In order to gain NCEA Level 1 a student must reach a certain level of proficiency in literacy and numeracy. The literacy requirement for NCEA Level 1 is 10 credits and the numeracy requirement for NCEA Level 1 is also 10 credits.

Students can meet these requirements by achieving a package of unit standards in literacy and numeracy or by achieving specified achievement standards from a wide range of subjects. These are identified in the Level 1 option booklet.

Literacy requirement - Minimum of 10 credits through

<i>Either</i>	Unit standards	Package of three literacy unit standards (total of 10 credits - all three required)
<i>Or</i>	Achievement standards	Specified achievement standards available through a range of subjects (minimum total of 10 credits)

Numeracy requirement - Minimum of 10 credits through

<i>Either</i>	Unit standards	Package of three numeracy unit standards (total of 10 credits – all three required)
<i>Or</i>	Achievement standards	Specified achievement standards available through a range of subjects - (minimum total of 10 credits)

LITERACY AND NUMERACY UNIT STANDARDS

These standards have been designed to be used in schools, tertiary and workplace programmes and support the principle of embedded literacy and numeracy.

The standards have been designed using the following definitions:

- ◆ Literacy is 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 is the bridge between mathematics and daily life. It includes the knowledge and skills needed to apply mathematics to everyday family and financial matters, work and community tasks.

LITERACY AND NUMERACY ACHIEVEMENT STANDARDS

A wide range of achievement standards have been identified as eligible to meet the requirements. Subjects that generate credits towards literacy and numeracy are identified in the individual year level option books.

The standards have been selected using the following definitions:

- ◆ Literacy to meet the demands of the New Zealand Curriculum at Level 6. These standards provide the scope for students to demonstrate reading, writing, speaking and listening skills.
- ◆ Numeracy to meet the demands of the New Zealand Curriculum at Level 6. These standards provide the scope for students to demonstrate number, measurement and statistical skills.

Additional information on numeracy and literacy can be accessed on the [NZQA web site](#).

TE REO - MAORI

Maori is a language option available for Year 9, 10, 11 and 12 students wishing to study the language.

The mode of provision for Te Reo will be dependent upon the staffing available and the number of students choosing to take this option.

SCHOLARSHIP

Scholarship is an external assessment for top secondary students. 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. It does not attract credits nor contribute towards a qualification but the fact that a student has gained a Scholarship appears on the Record of Achievement. Scholarship assessments are demanding and require students to demonstrate high-level critical thinking and analytical skills, a comprehensive understanding of key content, skills and ideas as well as advanced written language skills. About 3 per cent of Year 13 students studying each subject at level 3 will get Scholarship, if they reach the standard that has been set. Each Scholarship assessment carries two passing grades – Scholarship (S) and Outstanding Scholarship (O).

Successful Scholarship students gain substantial monetary awards. A Scholarship in just one subject receives \$500, as a single payment. All the other awards result in payments spanning three years of successful tertiary study. These awards are outlined in the following table.

PREMIER AWARD	<ul style="list-style-type: none">• For the very top 5 to 10 candidates. The minimum eligibility requirement to be considered for this award is at least three Scholarships at "Outstanding" level. The number of recipients for this award is restricted and achieving the minimum requirement will not guarantee an award.• \$10,000 each year for up to three years as long as candidates maintain at least a 'B' grade average in tertiary study
OUTSTANDING SCHOLAR AWARD	<ul style="list-style-type: none">• For the next 40-60 top candidates. The minimum eligibility requirement to be considered for this award is three Scholarships with at least two at "Outstanding" level or more than three Scholarships with at least one at "Outstanding". The number of recipients for this award is restricted and achieving the minimum requirement will not guarantee an award.• \$5,000 each year for three years as long as candidates maintain a 'B' grade average in tertiary study
SCHOLARSHIP AWARD	<ul style="list-style-type: none">• For candidates who get Scholarship in three or more subjects.• \$2,000 each year for up to three years as long as candidates maintain a 'B' grade average in tertiary study
TOP SUBJECT SCHOLAR AWARD	<ul style="list-style-type: none">• For the top candidate in each one of the Scholarship subjects.• \$2,000 each year for up to three years as long as candidates maintain a 'B' grade average in tertiary study
SINGLE SUBJECT AWARDS	<ul style="list-style-type: none">• For candidates who get Scholarship in one or two subjects.• A 'one-off' award of \$500 per subject (maximum payment \$1000)

To be eligible for the top awards a student must attain Scholarship in three subjects in the same year.

A New Zealand Scholarship fee of \$30 (GST incl.) per subject will be charged by NZQA. The \$76.70 NCEA assessment fee no longer covers entry to any New Zealand Scholarship subjects. International students will continue to pay the full fee of \$102.20 (GST incl.) per Scholarship subject. (www.nzqa.govt.nz)

The New Zealand Qualifications Authority has collated useful resources to support Scholarship candidates including past examination papers. These can be accessed at the following web site:

<http://www.nzqa.govt.nz/scholarship/resources.html>

Teachers in each subject area will endeavour to offer support to Scholarship students. This could take the form of providing supplementary resources, such as additional reading and study materials, as well as tutorials outside class time. The onus however remains on the student to complete the necessary work to prepare them effectively for this level of assessment. A final commitment to the Scholarship assessment is not required till the entry deadline in Term 3.

Scholarship subjects supported at Botany Downs Secondary College include English, French, Japanese, Biology, Chemistry, Physics, Science, Statistics and Modelling, Mathematics with Calculus, Accounting, Art History, Drama, Media Studies, Music Studies, Visual Arts, Economics, Geography, History, Classical Studies, Physical Education and Health Education, Technology and Design and Visual Communication. Prospective Scholarship students will either be invited to join Scholarship subject tutorials or students will be invited to give an expression of their interest during Term 2 of the school year.

NCEA STANDARDS OVERVIEW

All Level 1, 2 and 3 students will be assessed against National Qualification Framework Achievement Standards or Unit Standards.

For each subject studied there are 5 – 9 Achievement Standards or Unit Standards. Each Achievement Standard and Unit Standard is worth a set number of credits, generally between 2 and 6 credits. Most subjects will offer courses of 15 – 21 possible credits. This booklet contains a list of the **possible** Achievement Standards and Unit Standards and their credit values, which could make up each subject next year. **The final choice of Standards for each course is at the discretion of each individual HOLA.** The standards selected will be published in the senior subject course outlines and issued to all students at the start of the new academic year.

For each subject studied there will be a list of Standards provided to the students in the course outline:

For example: This is the Level 1 NZ STUDIES list of Standards

Each subject is subdivided into approx 5-9 modules of work. These can be either Unit Standards or Achievement Standards

Some assessment is based on work completed and assessed at school (**Internal**) and some assessed by a national examination (**External**)

If the standard is achieved, a student earns credits. The total number of credits available in each subject varies. For NZ STUDIES it is 24 credits.

An Achievement Standard will start with AS

A Unit Standard will start with US

NCEA Internal Achievement Standards/Unit Standards					
Number	Subject Reference	Title	Internal/ External	Credits	CODES
AS90210	History 1.2	Communicate historical ideas	Internal	4	L
AS90217	Social Studies 1.3	Conduct a Social Studies inquiry	Internal	6	W
AS90218	Social Studies 1.4	Examine differing values positions	Internal	4	
US5085		Describe and explain resource use	Internal	4	
US90208		Consider a work of fiction from a geographic perspective	Internal	2	
NCEA External Achievement Standards					
AS90211	History 1.3	Interpret historical resources	External	4	
Possible credits available				24 credits	

Students will be assessed on what they achieve in their work during the year in these modules. The level of achievement needed to gain credit in each module is called its **Achievement Standard**

Level 1 & 2 Standards that contribute to Literacy and Numeracy are indicated by (L) = Literacy: (N) = Numeracy

Level 2 & 3 Standards that contribute to UE literacy requirements are indicated by (R) = Reading: (W) = Writing

ENTRY TO TERTIARY EDUCATION

Tertiary Education providers in New Zealand require certain entry criteria to be met before students are enrolled for a course. This option booklet provides a general guideline but students must check the specific course entry criteria for the tertiary institution they wish to attend. The Careers Advisor has a detailed list of prerequisites for entry to courses run by tertiary providers in New Zealand.

Information about Auckland University for secondary school students can be accessed at:
<http://www.auckland.ac.nz/uoahome/for/future-undergraduates>

COMMON ENTRANCE STANDARD REQUIREMENTS FOR UNIVERSITY:

University Entrance (UE) is the minimum requirement to go to a New Zealand university. To enter university you will need:

- NCEA Level 3 = 80 credits (60 credits at Level 3 or above plus 20 credits from Level 2)
- **Three** subjects - at **Level 3 or above**, made up of:
 - 14 credits each, in three approved subjects
- Literacy - **10 credits at Level 2 or above** (XLS, 91KB), made up of:
 - 5 credits in reading
 - 5 credits in writing
- Numeracy - **10 credits at Level 1 or above**, made up of:
 - achievement standards – specified achievement standards available through a range of subjects, or
 - unit standards - package of three numeracy unit standards (26623, 26626, 26627- **all** three required).

FOR ENTRY TO THE UNIVERSITY OF AUCKLAND.....

All applicants must gain the Common Entrance Standard outline above and, in addition:

All applicants will be ranked according to their best 80 credits at Level 3 or higher over a maximum of five approved subjects from the approved subjects list (see next page for list of approved subjects) weighted by the level of achievement attained in each set of credits. Some courses have special entry requirements based on the subjects listed in Table A and Table B below. **Students wishing to attend University are strongly encouraged to take courses that offer achievement standards as Merit and Excellence grades will be used to rank and differentiate applicants for entry to Tertiary courses.**

Please refer to the University of Auckland admissions and enrolment site for further information on entry requirements and GPA requirements and calculations.

TABLE A	TABLE B
Classical Studies	Accounting
English	Biology
Geography	Calculus
History	Chemistry
History of Art	Economics
Te Reo Maori	Mathematics *
OR	Physics
Te Reo Rangatira	Statistics

* cannot be used in combination with Calculus and/or Statistics

Academic English Language Requirement: In 2016 the University of Auckland introduced an Academic English Language Requirement into all its bachelors degree programmes. This requirement is to ensure that all students have a sufficient level of competence in academic English to support their study at the University of Auckland. Students going to the University of Auckland must have gained the University Entrance Literacy Standard and a minimum of 17 credits in NCEA English at Level 2 and/or 3. This is not intended to exclude students from the University and further opportunities will be given to complete a course in academic English during the first year of university study.

Source: *The University of Auckland 2017 Undergraduate Prospectus, page 65*

NCEA LEVEL 3 APPROVED SUBJECT LIST

APPROVED SUBJECT	ACHIEVEMENT STANDARDS
Accounting	91404, 91405, 91406, 91407, 91408, 91409
Agriculture & Horticulture	91528, 91529, 91530, 91531, 91532
Biology	91601, 91602, 91603, 91604, 91605, 91606,
Business Studies	91379, 91380, 91381, 91382, 91383, 91384,
Calculus	91573, 91574, 91575, 91576, 91577, 91578, 91579, 91587
Chemistry	91387, 91388, 91389, 91390, 91391, 91392,
Chinese	91533, 91534, 91535, 91536, 91537
Classical Studies	91394, 91395, 91396, 91397, 91398
Construction and Mechanical Technologies	91620, 91621, 91622, 91623, 91624, 91625, 91626 and 91627, 91628, 91629, 91630, 91631 and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91643, 91644 and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619
Cook Islands Maori	91538, 91539, 91540, 91541, 91542
Dance	91588, 91589, 91590, 91591, 91592, 91593, 91594, 91595
Design (Practical Art)	91440, 91445, 91450, 91455, 91460
Design and Visual Communication	91627, 91628, 91629, 91630, 91631 and 91620, 91621, 91622, 91623, 91624, 91625, 91626 and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91643, 91644 and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619
Digital Technologies	91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91627, 91628, 91629, 91630, 91631 and 91620, 91621, 91622, 91623, 91624, 91625, 91626 and 91643, 91644 and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619
Drama	91512, 91513, 91514, 91515, 91516, 91517, 91518, 91519, 01520
Earth and Space Science	91410, 91411, 91412, 91413, 91414, 91415
Economics	91399, 91400, 91401, 91402, 91403
Education for Sustainability	90828, 90829, 90830, 90831, 90832, 91735, 91736
English	91472, 91473, 91474, 91475, 91476, 91477, 91478, 91479, 91480
French	91543, 91544, 91545, 91546, 91547
Geography	91426, 91427, 91428, 91429, 91430, 91431, 91432, 91433
German	91548, 91549, 91550, 91551, 91552
Health Education	91461, 91462, 91463, 91464, 91465
History	91434, 91435, 91436, 91437, 91438, 91439
History of Art	91482, 91483, 91484, 91485, 91486, 91487, 91488, 9148991488, 91489
Home Economics	91466, 91467, 91468, 91469, 91470, 91471
Indonesian	91645, 91646, 91647, 91648, 91649
Japanese	91553, 91554, 91555, 91556, 91557
Korean	91558, 91559, 91560, 91561, 91562
Latin	91506, 91507, 91508, 91509, 91510, 91511
Mathematics	91573, 91574, 91575, 91576, 91577, 91578, 91579, 91587 and 91580, 91581, 91582, 91583, 91584, 91585, 91586
Media Studies	91490, 91491, 91492, 91493, 91494, 91495, 91496, 91497
Music Studies	91416, 91417, 91418, 91419, 91420, 91421, 91422, 91423, 91424, 91425
Painting (Practical Art)	91441, 91446, 91451, 91456 and 91460
Photography (Practical Art)	91442, 91447, 91452, 91457 and 91460
Physical Education	91498, 91499, 91500, 91501, 91502, 91503, 91504, 91505, 91789
Physics	91521, 91522, 91523, 91524, 91525, 91526, 91527
Printmaking (Practical Art)	91443, 91448, 91453, 91458 and 91460
Processing Technologies	91643, 91644 and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91627, 91628, 91629, 91630, 91631 and 91620, 91621, 91622, 91623, 91624, 91625, 91626 and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91617, 91619
Religious Studies	90824, 90825, 90826, 90827, 91725
Samoan	91563, 91564, 91565, 91566, 91567
Science	91601, 91602, 91603, 91604, 91605, 91606, 91607 and 91387, 91388, 91389, 91390, 91391, 91392, 91393 and 91410, 91411, 91412, 91413, 91414, 91415 and 91521, 91522, 91523, 91524, 91525, 91526, 91527
Sculpture (Practical Art)	91444, 91449, 91454, 91459
Spanish	91568, 91569, 91570, 91571, 91572
Social Studies	91596, 91597, 91598, 91599, 91600
Statistics	91580, 91581, 91582, 91583, 91584, 91585, 91586
Technology	91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91819 and 91643, 91644 and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91627, 91628, 91629, 91630, 91631 and 91620, 91621, 91622, 91623, 91624, 91625, 91626
Te Reo Māori	91650, 91651, 91652, 91653, 91654
Te Reo Rangatira	90536, 90785, 90786, 90787, 90788, 90789, 90790, 90791
Tongan	91679, 91680, 91681, 91682, 91683

Applicants for some limited entry qualifications may be required to have taken certain subjects and gained a specific number of credits in those subjects (refer to table below as a general guide). **All students must be very clear on what the entry requirements are for the specific course they wish to pursue at University or an Institute of Technology. Entry to these courses depends on the prerequisites being met.** The rank score for entry to University will be based on a student's best 80 credits at Level 3 or higher over a maximum of 5 approved subjects, by awarding four points for Excellence, three points for Merit and two points for Achieved for up to 24 credits in each approved subject. The maximum available score is 320. This system is used by all New Zealand universities but for the University of Auckland it is the basis of the Guaranteed Entry Score (GES). The information below outlines specific entry prerequisites for a range of courses at **The University of Auckland**.

AUCKLAND UNIVERSITY – 2017 PROGRAMME, RANK SCORE, SUBJECT AND CREDIT REQUIREMENTS

Bachelor of Architectural Studies (BAS) Rank Score - 230

- A minimum of 16 credits in one subject from Table A and a minimum of 16 credits in one subject from Table B.
- Subject to the qualitative evaluation of a portfolio of creative work and written statement.

Bachelor of Arts (BA) Rank Score - 150

Bachelor of Commerce (BCom) Rank Score - 180

- with a minimum of 16 credits in each of three subjects from Table A and/or Table B.

Bachelor of Dance Studies (BDanceSt) Rank Score - 150

- Subject to the qualitative evaluation of a CV, written statement and an audition/interview.

Bachelor of Education (Teaching) (BEd(Tchg)) Rank Score - 150

- Subject to a satisfactory interview, police check, and referees' reports.

Bachelor of Engineering (Honours) (BE(Hons)) Rank Score - 260

- With 17 external Level 3 credits in Calculus and 16 external Level 3 credits in Physics

Bachelor of Fine Arts (BFA) Rank Score - 150

- Subject to the qualitative evaluation of a portfolio of 12 colour reproductions and written statement.

Bachelor of Health Sciences (BHSc) Rank Score - 250

- With a min. of 18 credits in one subject from Table A and a min. of 18 credits in one subject from Table B.

Bachelor of Human Services (BHumServ) Rank Score - 150

- Subject to a satisfactory interview, police check, and referees' reports.

Bachelor of Laws (LLB (Part I))

- Students must be offered a place in another bachelor degree. Entry will be based on the guaranteed scores for the other bachelor degree.

Bachelor of Music (BMus) Rank Score – 150

- Classical Performance
- Jazz Performance and Popular Music
- Composition major
- Musicology majors
- Subject to the qualitative evaluation of a CV, music certificates, referees' report and in the case of Classical Performance, Jazz Performance and Popular Music majors, an audition. Composition major will be required to submit for qualitative evaluation a portfolio of 2 or 3 compositions.

Bachelor of Nursing (BNurs) Rank Score - 230

- With a min. of 16 credits in one subject from Table A and a min. of 16 credits from one of Biology, Chemistry, Physics.

Bachelor of Sport, Health and Physical Education (BSHPE) Rank Score - 150

Bachelor of Property (BProp) Rank Score - 180

- With a minimum of 16 credits in each of three subjects from Table A and/or Table B.

Bachelor of Science (BSc)

- Biomedical Science (Rank Score – 280)
- Food Science and Nutrition (Rank Score – 200)
- Sport and Exercise Science (Rank Score – 180)
- Including 14 credits in Biological Sciences and/or Human Biology, at NCEA Level 3 or equivalent.
- All other majors/specialisations 165

Bachelor of Social Work (BSW) Rank Score - 150

- Subject to a satisfactory interview, police check, and referees' reports.

Bachelor of Urban Planning (Honours) (BUrbPlan(Hons)) Rank Score - 230

- Subject to the qualitative evaluation of a written report.

UNIVERSITY ENTRANCE INFORMATION

Here is a guide to what Universities may be looking for. This will require you to look into the future to make sure you choose Level 1, 2 and 3 options that will lead you onto the correct options in future years.

ENGINEERING

Auckland University—Level 3 NCEA course must include Mathematics with Calculus and Physics. A much higher level than the minimum University entry is required and the Engineering School also expects to specify higher literacy standard requirements than the minimum. Canterbury University—Level 3 NCEA must include Mathematics with Calculus, Physics (and for some specialisations) Chemistry.

LAW

Most Universities have not stipulated any prerequisites, but a good mastery of written and spoken English is required so some Level 3 NCEA subjects such as English and language rich subjects are recommended. Law is open entry to Year 1 students at most universities. Direct entry at AUT and Waikato.

MEDICINE

Auckland University—students will be required to enrol in either a Bachelor of Science (Biomedical) or a Bachelor of Health Sciences for their first year of study. Students will then be selected for Medical School at the end of their first year of study depending on their academic results, the UMAT test and an interview procedure. A much higher minimum level of literacy and numeracy will be required than for open entry to University and students must choose Year 13 subjects from a list provided by the University.

Otago University—Students must enrol in Health Science in their first year. Selection into Medical School takes place at the end of the first year and those who reach the required academic level will be required to take a UMAT test and an oral assessment test.

NURSING

University Entrance is required including credits in Science to Level 2. Auckland University requires a higher level than the minimum University entry, including a minimum of 16 credits in a Table A subject and 16 credits in either Biology or Physics or Chemistry.

OPTOMETRY

Auckland University—There is no direct entry from Secondary School. Applicants must first complete Year 1 of a Bachelor of Science – Biomedical Science

PHARMACY

Otago University—The same requirements as Medicine, a B average is required in the first years papers. To access this course at Auckland University Applicants must complete Year 1 of a BSc degree (Biomedical Science) or Year 1 of the BHSc. Biology, Chemistry and least 1 English rich subject are strongly recommended. Physics and Mathematics (MAC and/or SAP) are also useful.

PHYSIOTHERAPY

Otago University—The same requirements as Medicine, a minimum B average required in the first years papers.

AUT—no specific subject prerequisites but preference will be given to applicants with the highest rank scores and/or accomplishments in the relevant fields

PHYSICAL EDUCATION

University of Auckland—Students will be selected on the basis of their rank score, interview and referees' report. A good standard of both oral and written English is also required.

Otago University – Biology and Physical Education are recommended. A higher level than the minimum University entry is likely to be required.

SCIENCES

Physics and Chemistry are very difficult to pick up at Tertiary level without a minimum of Year 12 and preferably some credits at Level 3 NCEA. For most Science courses minimum rank score of 165 is required.

TEACHING

University of Auckland—Rank score of 150. By selection only. Interview, Police check and referees' reports required. Applicants must be capable of meeting the Requirements of the New Zealand Teachers Council, including language proficiency.

VETERINARY

Massey University—A very good understanding of Science so a recommended Level 3 NCEA course including Chemistry, Biology, Physics and at least one of the Mathematics. Strong written and oral English skills are also important. There is open entry (i.e. the minimum University entrance qualification is required) to enrol in Semester 1, but selection into Semester 2 is based on grades in the compulsory Semester 1 papers and an aptitude test.

Students for whom English is not their first language may also be required to demonstrate their proficiency in English by achieving minimum scores in special tests.

RECOMMENDED SUBJECTS

This is a **guide only** for some study areas where a background in certain school subjects maybe useful.

There are many other study areas that do not make any recommendations.

Note: ERS* = English Rich Subject (i.e. English, Geography, History, Classical Studies and Art History).

<i>Level 1</i>	<i>Level 2</i>	<i>Level 3</i>
Architecture		
Art or DVC Mathematics Science	Design and/or Painting or DVC or DIT/or DIP/ or Mathematics Physics may be useful	Design and/or Painting or DVC One Table A subject MAT and PHY may be useful
Business		
Mathematics Economics Accounting Business	Mathematics Economics Accounting Business	Statistics or Calculus (highly rec.) Economics (rec. but not essential) Accounting (rec. but not essential) Business (Select no more than 2 of the following - ACC, ECO, BUS)
Law		
No specific subjects	No specific subjects but rich English language subjects are rec.	Minimum 1 ERS* subject
Engineering		
Mathematics Science	Mathematics Physics Chemistry	Calculus (essential) Physics (essential) Chemistry (for Chemical Engineering)
Biological Sciences – REL recommended		
Mathematics Science	Mathematics Biology Chemistry	Statistics Biology Chemistry
Health Sciences <i>(Dentistry, Medicine, Medical Science, Physiotherapy, Pharmacy, Veterinary)</i>		
Mathematics Science	Mathematics Preferably 3 sciences; Biology, Chemistry, Physics (should at least do Biology and Chemistry)	Statistics Preferably 2 out of 3 sciences; Biology, Chemistry, Physics 1 ERS subject Veterinary requires all 3 Sciences
Health Science (Nursing, Occupational Therapy)		
Mathematics Science	Mathematics (optional) Minimum 1 out of 3 sciences; Biology, Chemistry, Physics	Minimum 1 of the following; Biology, Chemistry, Physics, Science, Mathematics Plus 1 ERS subject
Technology / Physical Sciences		
Mathematics Science	Mathematics Physics Chemistry	Calculus, Physics, Chemistry ERS is useful

BDSC SUBJECT STRUCTURE

Compulsory Subjects *Italic*. Optional Subjects Normal.

Learning Areas	Year 9	Year 10	Level 1	Level 2	Level 3
English	<i>English (9ENG)</i> English Literacy Support (9ENA)	<i>English (10ENG)</i> English Literacy Support (10ENA)	<i>English (ENG1)</i> <i>English - Alternative (ENA1)</i>	<i>English (ENG2)</i> <i>English - Alternative (ENA2)</i>	English - Extended (ENE3) English (ENG3) English - Alternative (ENA3) Media Studies (MED3)
	English as an Add. Lang. (9ENS) <i>Health & PE (9HPE)</i>	Media Studies (10MED) English as an Add. Lang. (10ENS) English as an Add. Lang. (10ENP) <i>Health & PE (10HPE)</i>	Media Studies (MED1) <i>English as an Add. Lang. (ENS1)</i> <i>Health & PE (HPE1)</i>	Media Studies (MED2) <i>English as an Add. Lang. (ENS2)</i> <i>English as an Add. Lang. (ENP2)</i>	English as an Add. Lang. (ENS3) Early Childhood Education (ECE3)
Health & Physical Education		Outdoor Leadership (10ODL) Physical Education (10PED)	Early Childhood Education (ECE1) Health Education (HED1) Outdoor Education (OED1) Physical Education (PED1)	Health Education (HED2) Outdoor Education (OED2) Outdoor Education - Alternative (ODA2) Physical Education (PED2) Sports Leadership (SPL2)	Health Education (HED3) Outdoor Education (OED3) Physical Education (PED3) Sports Leadership (SPL3)
Languages	<i>French (9FRE)</i> <i>Japanese (9JAP)</i>	French (10FRE) Japanese (10JAP) Maori (10MAO) Spanish (10SPH)	French (FRE1) Japanese (JAP1) Maori (MAO1) Spanish (SPH1)	French (FRE2) Japanese (JAP2) Spanish (SPH2)	French (FRE3) Japanese (JAP3) Spanish (SPH3)
Mathematics	<i>Mathematics and Statistics (9MAT)</i>	<i>Maths. and Stats. (10MAT)</i> <i>Maths. and Stats. - Alternative (10MAA)</i> <i>Maths. and Stats. - Accelerated (10MAX)</i>	<i>Maths. and Stats. - Numeracy (MINU1)</i> <i>Maths. and Stats. - Alternative (MAA1)</i> <i>Maths. and Stats. (MAT1, MAE1)</i> <i>Maths. and Stats. - Accelerated (MAX2)</i>	Maths. and Statistics - Alternative (MAA2) Maths. and Statistics (MAT2) Maths. and Statistics - Extended (MAE2) Calculus - Accelerated (MAX3)	Calculus (MAC3) Calculus - Alternative (MCA3) Statistics and Prob. (SAP3) Statistics and Prob. - Alternative (SPA3) Mathematics (MAT3)
Science	<i>Science (9SCI)</i>	<i>Science (10SCI)</i> <i>Science - Accelerated (10SCX1)</i>	<i>Science (SCI1)</i> <i>Science - Alternative (SCA1)</i> Supplementary Science (SCS1) Electronics (ELE1)	Biological (BIA2, BIO2) Chemistry (CHE2) Electronics (ELE2) Physics (PHY2)	Biology (BIA3, BIO3) Chemistry (CHE3) Electronics (ELE3) Physics (PHY3)
	<i>Social Studies (9SOS)</i>	<i>Social Studies (10SOS)</i> Ancient Civilisations (10ANC) Business Pathways (10BUP) Investigative Geography (10IGO)	Accounting (ACC1) Business Studies (BUS1) Economics (ECO1) Geography (GEO1) History (HIS1)	Accounting (ACC2) Business Studies (BUS2) Classical Studies (CLS2) Economics (ECO2) Financial Studies (FIN2) Geography (GEO2) History (HIS2) Travel and Tourism (TSM2)	Accounting (ACC3) Business Studies (BUS3) Classical Studies (CLS3) Economics (ECO3) Financial Studies (FIN3) Geography (GEO3) History (HIS3) Travel and Tourism (TSM3)
Technology	<i>Design and Visual Com. (9DVC)</i> <i>Food Technology (9TEF)</i> <i>Multi Materials Technology (9TEM)</i> <i>Textiles Technology (9TET)</i>	Design and Visual Com. (10DVC) Digital Technology (10DIT) Food Technology (10TEF) Multi Materials Technology (10TEM) Textiles Technology (10TET)	Digital Technologies (DIT1) Design and Visual Com. (DVC1) Food and Hospitality (FAH1) Food Technology (TEF1) Multi Materials Technology (TEM1) Textiles Technology (TET1)	Automotive Engineering (ATM2) Building Construction (BCN2) Digital Technologies with Programming (DIP2) Digital Technologies (DIT2) Design and Visual Com. (DVC2) Food and Hospitality (FAH2) Food Technology (TEF2) Microsoft Office Specialist (MOS2) Multi Materials Technology (TEM2) Textiles Technology (TET2)	Digital Technologies with Programming (DIP3) Digital Technologies (DIT3) Design and Visual Com. (DVC3) Food and Hospitality (FAH3) Food Technology (TEF3) Microsoft Office Specialist (MOS3) Multi Materials Technology (TEM3) Textiles Technology (TET3)
The Arts	<i>Dance (9DAN)</i> <i>Drama (9DRA)</i> <i>Music (9MUS)</i> <i>Visual Art (9ART)</i>	Dance (10DAN) Digital Art (10DRT) Drama (10DRA) Music (10MUS) Visual Art (10ART)	Dance (DAN1) Digital Art (DRT1) Drama (DRA1) Music (MUS1) Visual Art (ART1)	Dance (DAN2) Drama (DRA2) Music (MUS2) Visual Art (ART2) Art History (ARH2) Design (DES2) Photography (PHO2)	Dance (DAN3) Drama (DRA3) Music Practical (MUP3) Music Studies (MUS3) Visual Art (ART3) Art History (ARH3) Design (DES3) Photography (PHO3)
Vocational & General Courses			Work and Community Studies (WCS1)	Career Pathways (CAP2)	Career Pathways (CAP3)

BDSC COURSE CODES

CODE	COURSE	9	10	Level 1	Level 2	Level 3	Learning Area
ACC	Accounting			L1	L2	L3	SOS
ANC	Ancient Civilizations		10				SOS
ARH	Art History				L2	L3	VPA
ART	Art - Practical	9	10	L1	L2	L3	VPA
ATM	Automotive Engineering				L2		TEC
BCN	Building Construction				L2		TEC
BIO	Biology				L2	L3	SCI
BIA	Biology - Alternative				L2	L3	SCI
BUP	Business Pathways		10				SOS
BUS	Business Studies			L1	L2	L3	SOS
CAP	Career Pathways				L2	L3	VGC
CHE	Chemistry				L2	L3	SCI
CLS	Classical studies				L2	L3	SOS
DAN	Dance	9	10	L1	L2	L3	VPA
DES	Design				L2	L3	VPA
DVC	Design and Visual Communication	9	10	L1	L2	L3	TEC
DIP	Digital Technologies with Programming				L2	L3	TEC
DIT	Digital Technologies		10	L1	L2	L3	TEC
DRA	Drama	9	10	L1	L2	L3	VPA
DRT	Digital Art		10	L1			VPA
ECE	Early Childhood Education			L1	L2	L3	HPE
ECO	Economics			L1	L2	L3	SOS
ELE	Electronics		10	L1	L2	L3	SCI
ENG	English	9	10	L1	L2	L3	ENG
ENA	English - Alternative/Literacy Support	9	10	L1	L2	L3	ENG
ENE	English - Extended					L3	ENG
ENS	English as an Additional Language	9	10	L1	L2	L3	ENG
ENP	English as an Additional Language		10	L1	L2		ENG
FAH	Food and Hospitality			L1	L2	L3	TEC
FIN	Financial Studies				L2	L3	SOS
FRE	French	9	10	L1	L2	L3	LAN
GEO	Geography			L1	L2	L3	SOS
HED	Health Education			L1	L2	L3	HPE
HIS	History			L1	L2	L3	SOS
HPE	Health and Physical Education	9	10	L1			HPE
IGO	Investigative Geography		10				SOS
JAP	Japanese	9	10	L1	L2	L3	LAN
MAA	Mathematics and Statistics - Alternative		10	L1	L2		MAT
MAC	Mathematics with Calculus					L3	MAT
MAE	Mathematics and Statistics - Extended			L1	L2		MAT
MAO	Maori	9	10	L1			LAN
MAX	Mathematics and Statistics - Accelerated		10	L1	L2		MAT
MAT	Mathematics	9	10	L1	L2	L3	MAT
MCA	Calculus - Alternative					L3	MAT
MED	Media Studies		10	L1	L2	L3	ENG
MNU	Maths Numeracy			L1			MAT
MOS	Microsoft Office Specialist				L2	L3	TEC
MUP	Music Practical					L3	VPA
MUS	Music Studies	9	10	L1	L2	L3	VPA
ODA	Outdoor Education - Alternative				L2		HPE
ODL	Outdoor Leadership		10				HPE
OED	Outdoor Education			L1	L2	L3	HPE
PED	Physical Education		10	L1	L2	L3	HPE

CODE	COURSE	9	10	Level 1	Level 2	Level 3	Learning Area
PHO	Photography				L2	L3	VPA
PHY	Physics				L2	L3	SCI
SAP	Statistics and Probability					L3	MAT
SPA	Statistics and Probability - Alternative					L3	MAT
SCA	Science - Alternative			L1			SCI
SCX	Science - Accelerated		10				SCI
SCI	Science	9	10	L1			SCI
SCS	Supplementary Science			L1			SCI
SOS	Social Studies	9	10				SOS
SPH	Spanish		10	L1	L2	L3	LAN
SPL	Sports Leadership				L2	L3	HPE
TEF	Food Technology	9	10	L1	L2	L3	TEC
TEM	Multi materials Technology	9	10	L1	L2	L3	TEC
TET	Textiles Technology	9	10	L1	L2	L3	TEC
TSM	Travel and Tourism				L2	L3	SOS
WCS	Work and Community Studies			L1			VGC

Not all courses offered will run. It will depend on the number of students selecting the course, the availability of staffing and the availability of specialist rooming.

Select courses carefully as it may be difficult to change courses at a later time.

There is an opportunity for Year 9, 10 and 11 students to take a course in Te Reo Maori. The nature of the course and manner of delivery will be determined when numbers are available.

If you have any queries about the option selection process that can't be dealt with by your administration tutor or Whanau Leader, you should see Mr Van Kralingen.

Remember...make a **planned choice** of your subjects

Consider all the information carefully. Study the university and other tertiary training institutions' admission requirements. Look at the different subject pathways in the option book and plan how you will get to your desired Level 2 or Level 3 destination. Read the subject descriptors and prerequisites and know exactly what requirements you will have to meet to gain entry into any course.

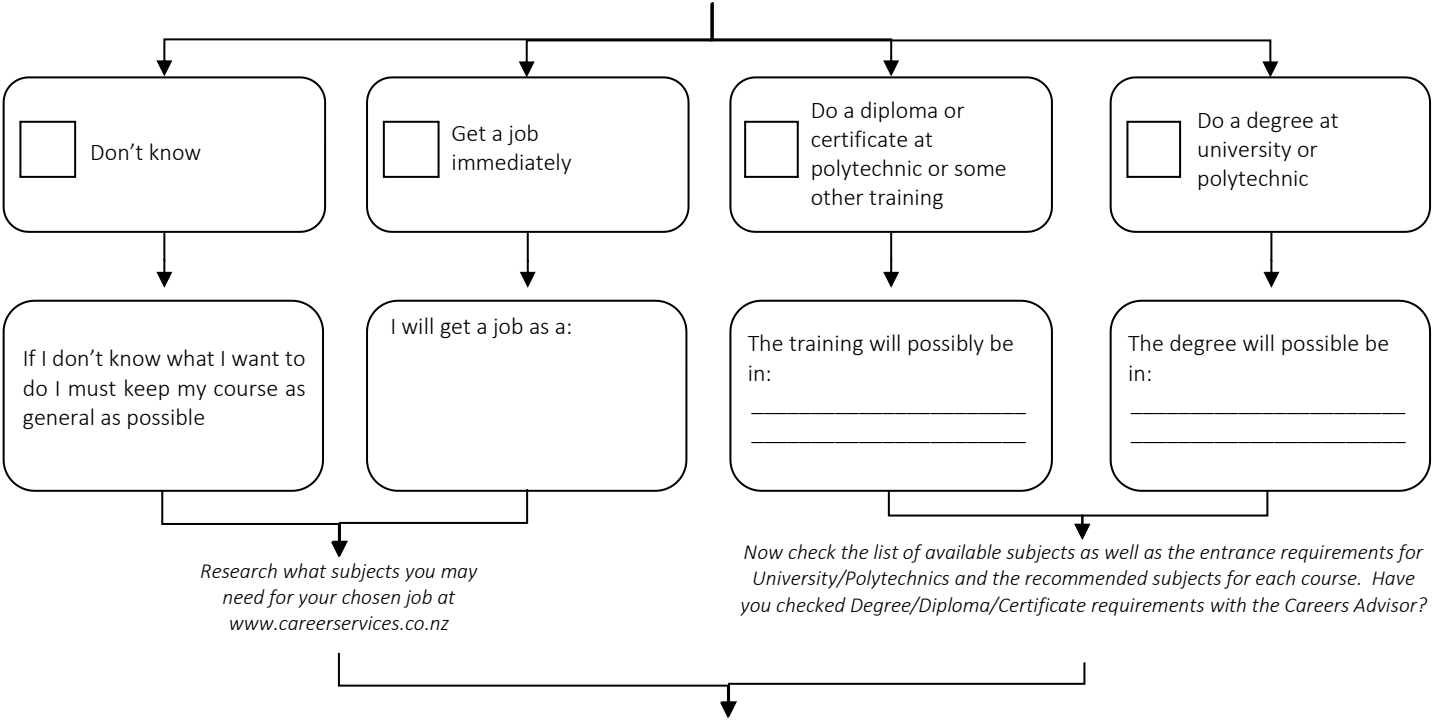
Consider carefully the following factors before deciding on your final option selection.

- ☒ Ability – what can you realistically achieve? What subjects are you good at?
- ☒ Interest – what do you enjoy learning?
- ☒ Qualification – what grades do you need? What endorsement would you like to achieve?
- ☒ Career pathway – what qualifications do you need? What subjects do you need?
- ☒ Prerequisites – what are the prerequisites for your chosen subjects? Do you meet the requirements?
- ☒ Preferred learning style – does this subject cater to your learning needs?
- ☒ Preferred assessment mode – will this help you to achieve your best results?
- ☒ Flexibility – do you have the ability to go in a different direction if your initial plan doesn't work out?

PLANNING PAGE

Over the next few weeks you must fill in this chart, in consultation with your parents, teachers, Heads of Learning and the Careers Advisor. The more information you gather about your career options the more informed your final decisions will be:

When I leave school I hope to..... (choose one path)



WORKING BACKWARDS

For this plan to work I will need to take the following subjects in NCEA Level 3 :	So I will need to take the following subjects in NCEA Level 2 :	And I will need to take the following subjects in NCEA Level 1 :
1 _____	1 ENGLISH	1 ENGLISH
2 _____	2 _____	2 MATHEMATICS
3 _____	3 _____	3 SCIENCE
4 _____	4 _____	4 _____
5 _____	5 _____	5 _____
	6 _____	6 _____

VOCATIONAL PATHWAYS AND TRADES ACADEMY

Vocational Pathways is a Ministry of Education tool that has been developed to help students to plan their journey from secondary learning to the work force. Additional information is available in the Levels 1, 2 and 3 option booklets as well as at this website: <http://youthguarantee.net.nz/vocational-pathways/>

Vocational Pathways enable young people to:

- Find out the standards, skills and competencies that are valued by employers in particular sectors
- Find out the job or career options that are available in each sector
- Identify current and future programmes of study that support their career pathway
- Undertake a relevant and coherent study programme that will enable them to achieve NCEA Levels 1, 2 and 3
- Demonstrate a vocational profile to tertiary providers and employers

Source: www.youthguarantee.net.nz/vocational-pathways

What is Your Pathway?

The vocational pathways help students see how learning is relevant to a wide range of jobs and study options, in six broad sectors of industry:

- Manufacturing and Technology;
- Construction and Infrastructure;
- Creative Industries;
- Primary Industries;
- Social and Community Services; and
- Services Industries.

Vocational Pathways show you how important your learning is by matching up what you learn, with a range of work and study options.

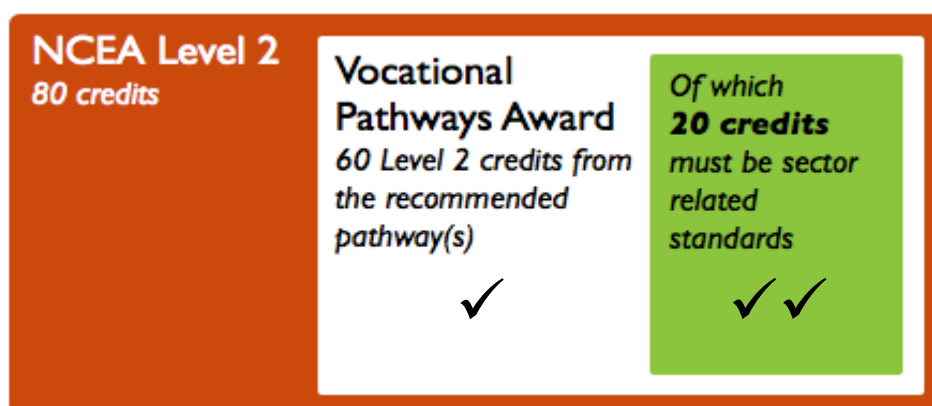


Level 2 Vocational Pathways Award

A Vocational Pathways Award is attainable at NCEA Level 2. This award enables employers to assess whether potential employees' skills align with their industry requirements more easily.

To receive a Vocational Pathways Award, students must first gain NCEA Level 2, which is 60 credits from Level 2 and 20 credits from any other level; 80 credits in total. 10 of these 80 credits must satisfy the literacy requirements, and 10 of these 80 credits must satisfy the numeracy requirements. To get a Vocational Pathways Award, 60 of the Level 2 credits must be from the recommended standards in one or more pathways, including 20 Level 2 credits from sector related standards.

The following diagram shows this relationship:



The Vocational Pathways Award(s) will be awarded to students on their NZQA Record of Achievement. This will be a real advantage when they look for work and training opportunities in the sector.

All standards from Level 1 to Level 3 have been mapped for Vocational Pathways in each option booklet. On each option page there is a coloured ticked section indicating which standards relate to which industry sector.

- ✓✓ refers to credits which count towards *SECTOR RELATED STANDARDS* and
- ✓ refers to credits which count towards *RECOMMENDED STANDARDS*.

For example, to be awarded a VOCATIONAL PATHWAYS AWARD IN CREATIVE INDUSTRIES, a student needs 60 credits from standards which are linked to Creative Industries. At least 20 of these must come from standards which are SECTOR RELATED (double ticked ✓✓ in the yellow Creative Industries column), and the remaining 40 credits must come from standards which are RECOMMENDED (single ticked ✓ in the yellow Creative Industries column). It doesn't matter which subjects these credits came from, as long as they are from the same Sector of Industry.

For example, Level 2 Food Technology:

“AS91352 Implement advanced procedures to process a specified product (4 credits)”, has links to 2 sectors; Manufacturing & Technology and Primary Industries. The Manufacturing & Technology has a double tick so its 4 credits will count towards the SECTOR RELATED count for the Manufacturing & Technology Award, but the Primary Industries has a single tick so its 4 credits will count towards the RECOMMENDED count for the Primary Industries Award. This gives the student an idea of the real-world application of the knowledge learnt during this standard as well as contributing to the various Sector Awards credit counts.

						VOCATIONAL PATHWAYS						
STANDARDS						Manufacturing & Technology	Primary Industries	Services Industries	Community Services	Social & Community Services	Creative Industries	
Number	Subject Ref	Title	Int/Ext	Credits	CODES							
NCEA Internal Achievement Standards/Unit Standards												
AS91354	Technology 2.1	Undertake brief development to address an issue	Internal	4		✓	✓	✓				✓
AS91356	Technology 2.3	Develop a conceptual design for an outcome	Internal	6		✓	✓	✓				✓
AS91352	Technology 2.61	Implement advanced procedures to process a specified product	Internal	4	L	✓	✓	✓				✓
NCEA External Achievement Standards												
AS91358	Technology 2.5	Demonstrate understanding of how technological modelling supports risk management	External	4		✓	✓	✓				✓
Possible Credits Available						18 Credits						
Total recommended ✓ credits						14	8	14				6
Total sector related ✓✓ credits						10						4

At Botany Downs Secondary College, the following subjects offer 20 credits in sector related standards at NCEA Level 2: Automotive Engineering (ATM2), Building Construction (BCN2), Early Childhood Education (ECE2), Electronics (ELE2), Food and Hospitality (FAH2) and Travel and Tourism (TSM2).

TRADES ACADEMIES

Trades Academies equip tomorrow's workforce with relevant skills by linking with the wider industry training system.

Trades academies focus on delivering trades and technology programmes to secondary students based on partnerships between schools, tertiary institutions, industry training organisations and employers. Students in years 11 to 13, who are interested in a career in trades or technology are able to combine study at a Trades Academy with college-based studies towards their National Certificate of Educational Achievement (NCEA). It is expected that students will additionally have the opportunity to achieve an award in at least one of the [Vocational Pathways](#) at NCEA Level 2.

The purpose of a Trades Academy is to:

- motivate more students to stay engaged in learning and training by providing them with a greater number of options for study
- provide students with clear pathways post-school by giving them a head start on training for vocational qualifications and smooth access to employment
- improve the responsiveness of schools to business and economic needs.

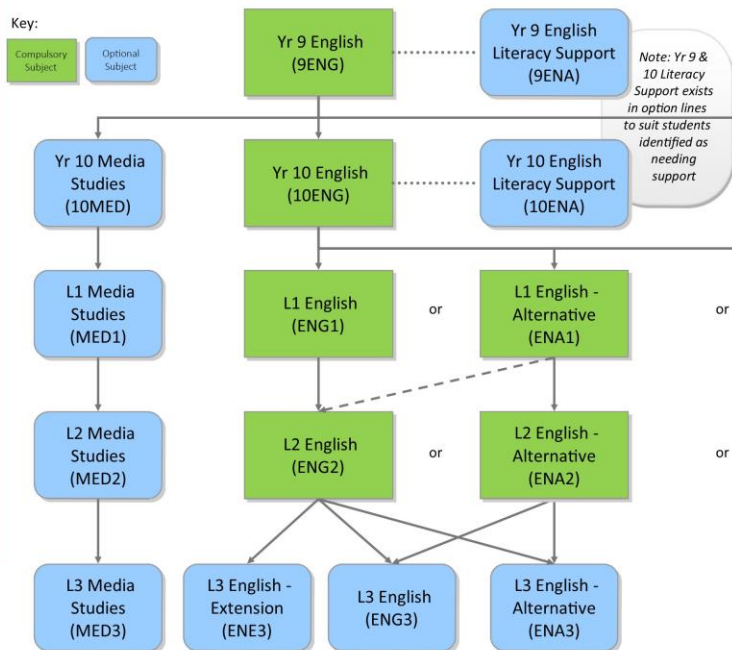
<http://www.education.govt.nz/ministry-of-education/specific-initiatives/trades-academies/>

At Botany Downs Secondary College, we have partnered with Manukau Institute of Technology Trades Academy.

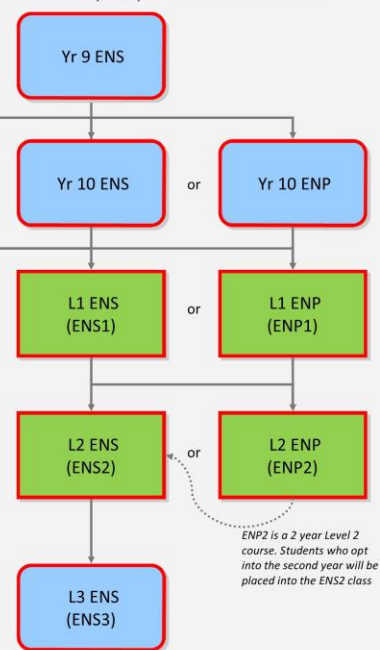
Students who choose Building and Construction (BCN2) or Automotive (ATM2) will attend MIT one day a week as part of their NCEA Level 2 programme of learning. Utilising expert tutors and industry level equipment, students will complete a large number of Unit Standards in their chosen field, to compliment those offered at school. Many Trades Academy students will be considering apprenticeships, or further training in their chosen vocation on leaving school. Others will use this valuable hands-on experience to complement academic studies in engineering and technology.

Other Trades Academy places may be available in Logistics and Primary Industries (supported) for identified students undertaking NCEA Level 2 courses.

ENGLISH FLOWCHART 2017



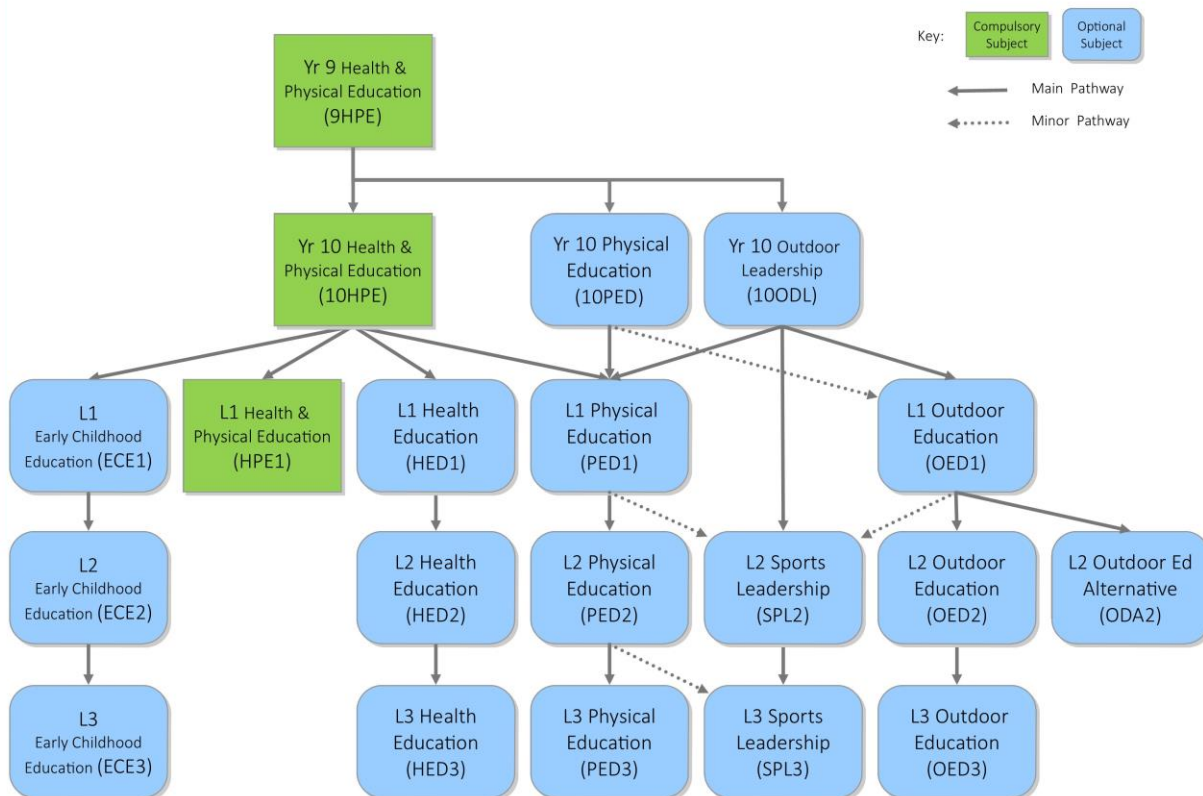
ENGLISH AS ADDITIONAL LANGUAGE (EAL) FLOWCHART 2017



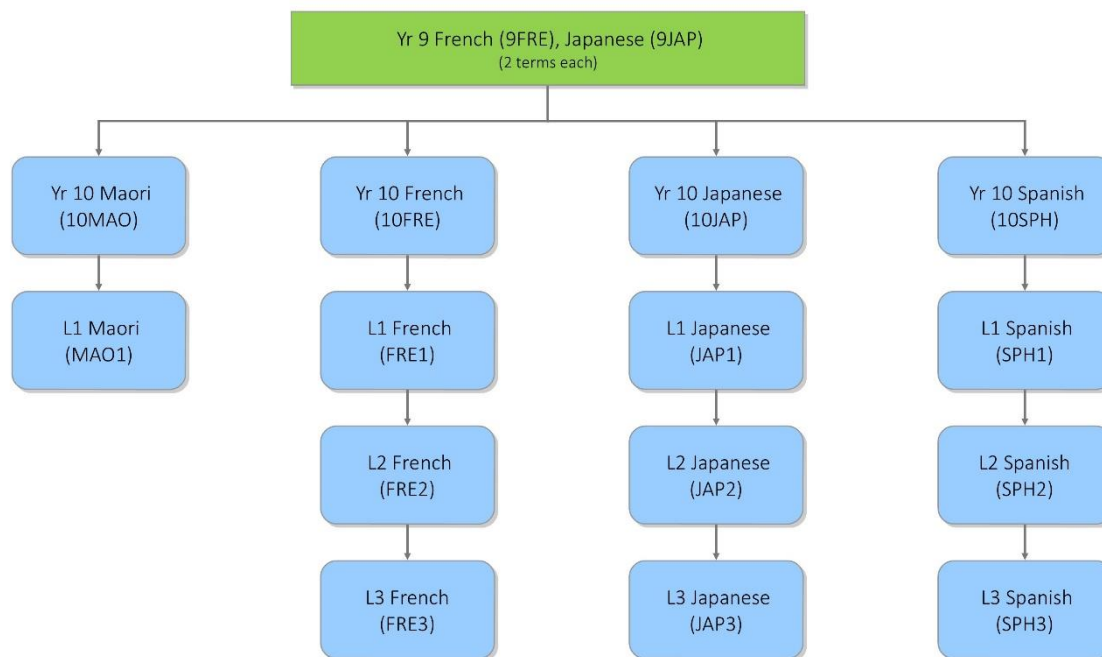
ENGLISH AS AN ADDITIONAL LANGUAGE

At Year 9 and 10 identified students may be removed from a Year 9 class or a Year 10 option line to attend 9ENS or 10ENS/10ENP class to support their language development.
At Year 11/12/13 identified students may be placed in ENS or ENP instead of ENG, dependant on the Head of EAL recommendation. Students may be swapped between ENS and ENP depending on the level of English.

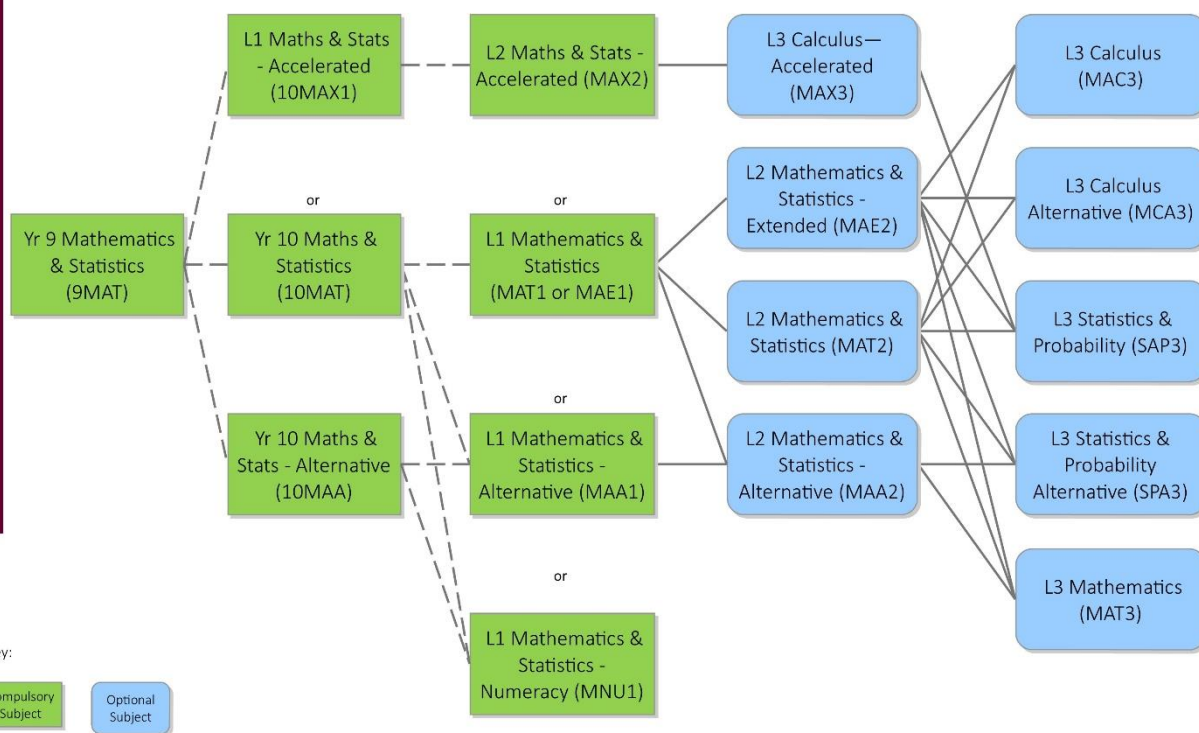
HEALTH & PHYSICAL EDUCATION FLOWCHART 2017



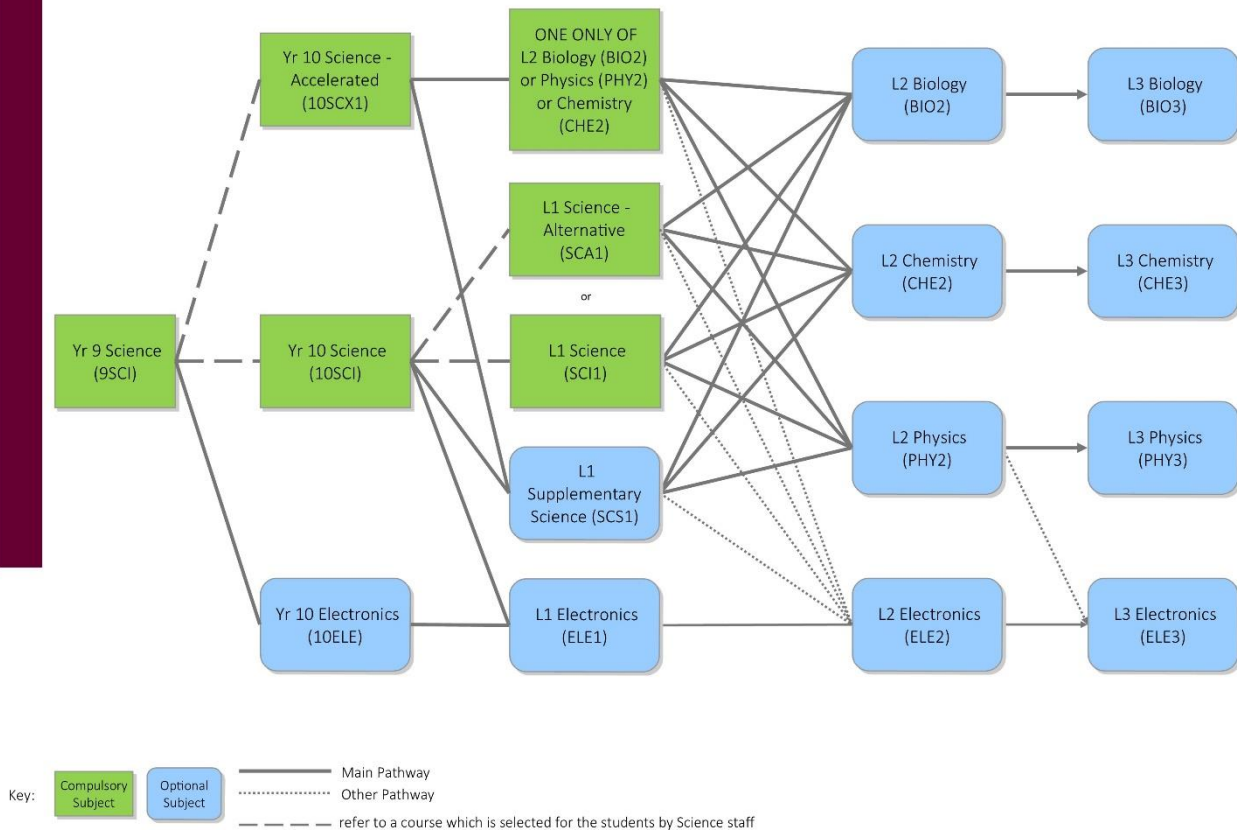
LANGUAGES FLOWCHART 2017



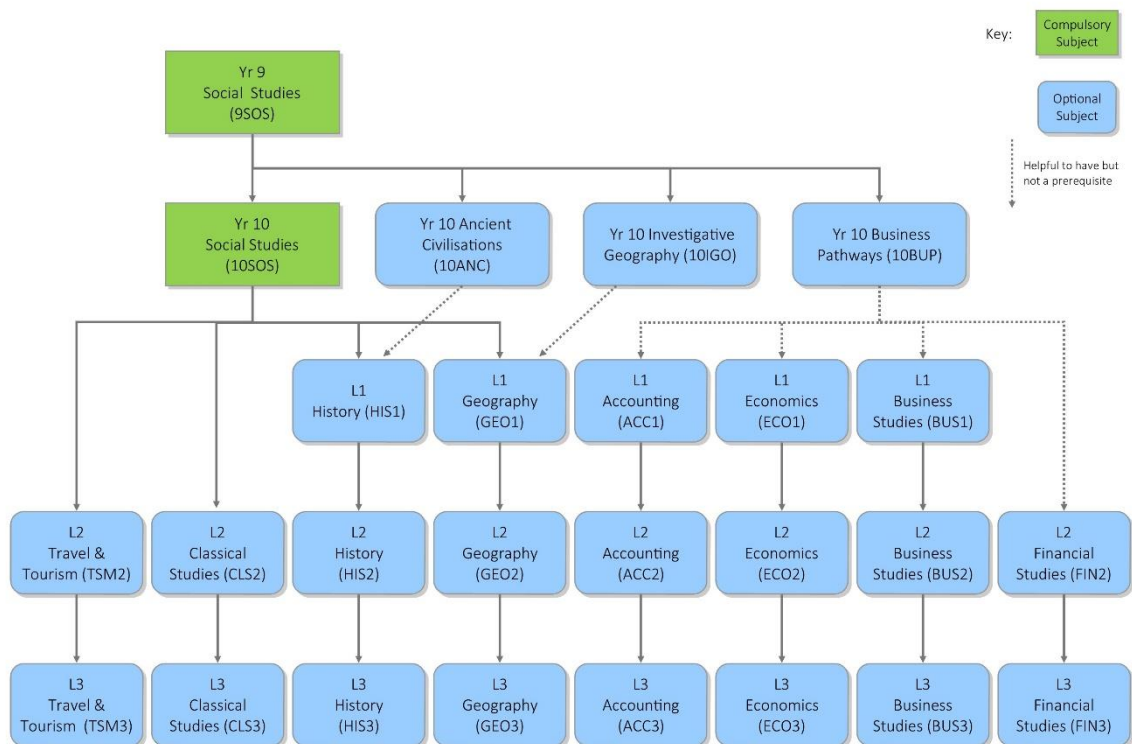
MATHEMATICS AND STATISTICS FLOWCHART 2017



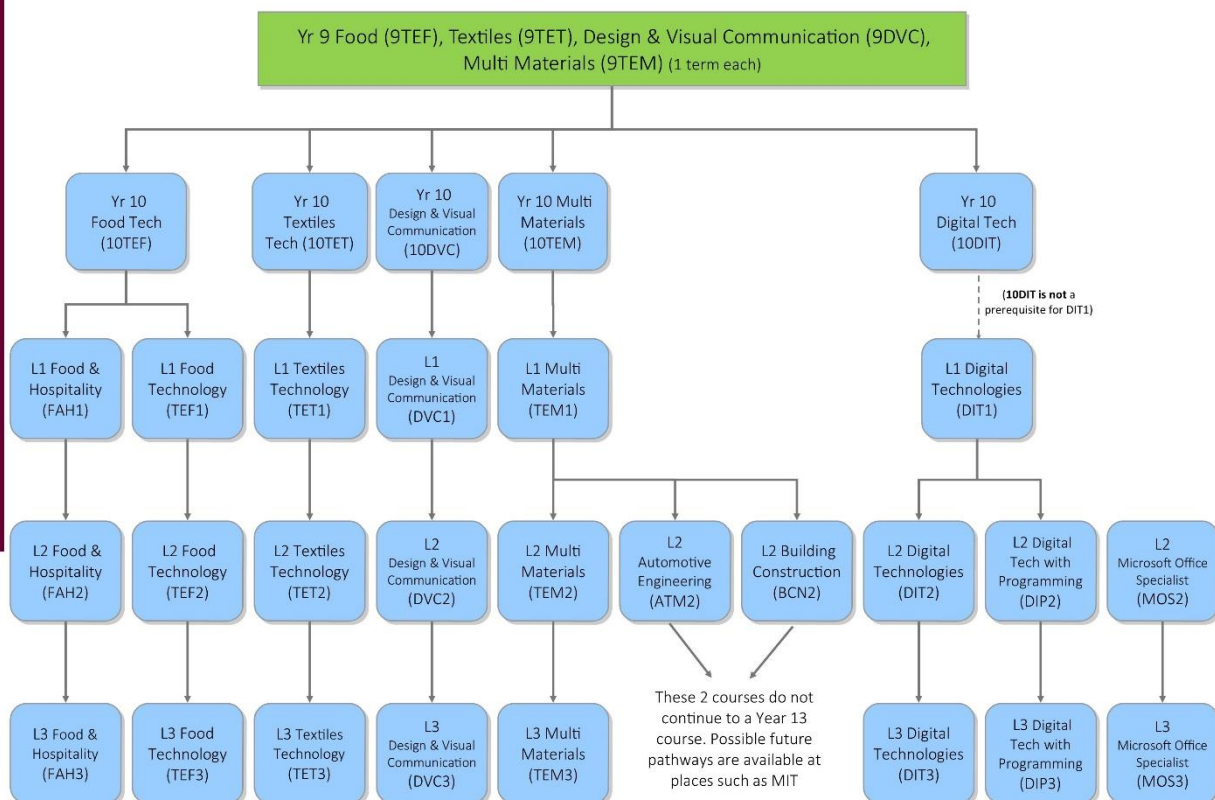
SCIENCE FLOWCHART 2017



SOCIAL SCIENCES FLOWCHART 2017



TECHNOLOGY FLOWCHART 2017



VISUAL AND PERFORMING ARTS FLOWCHART 2017

