



AUCKLAND
GRAMMAR SCHOOL

COURSE HANDBOOK

2023

CONTENTS

Introduction by the Headmaster, Mr T. O'Connor	2
Auckland Grammar School Goals	3
Qualifications Pathways	4 - 16
Introduction	4
Pre-Qualification Programme - PRE-Q	4 - 5
National Qualifications - NCEA	6 - 7
International Qualifications - CAMBRIDGE	8 - 9
The Dual Pathway	9 - 10
Requirements For Auckland Grammar School Honours Board	10
Form Levels Summary	11
Curriculum Flow Chart	12
Passing Form 5 and Form 6	13
University Entrance	14 - 16
Course Planning	17 - 28
General Guidelines for Students Choosing Options	17 - 18
Form 4 Course Planning - Advice to Current Form 3 Students	18
Form 4 Option Choices for 2023	19
Form 5 Course Planning - Advice to Current Form 4 Students	20
Form 5 Option Choices for 2023	21
Form 6 Course Planning - Advice to Current Form 5 Students	22 - 23
Form 6 Option Choices for 2023	24
Form 7 Course Planning - Advice to Current Form 6 Students	25 - 27
Form 7 Option Choices for 2023	28
Where Will My Subjects Take Me?	29 - 32



INTRODUCTION BY THE HEADMASTER

This Course Handbook is intended to help parents and your sons make wise and informed subject selection decisions.

While the handbook cannot be totally comprehensive, there is sufficient information to stimulate discussion, and to encourage students to seek more detail from Heads of Departments, Student Services or Vocational and Assisted Learning Departments. The handbook is particularly useful in the current context of educational change.

General enquiries regarding curriculum matters may be addressed to Dr John Ety, Associate Headmaster (Academic), Mr Daniel Oram, Deputy Headmaster (Academic), or to the relevant form-level Dean.

2002 marked the beginning of a new era in secondary school qualifications in New Zealand and at Auckland Grammar School, as the National Certificate of Educational Achievement (NCEA) replaced the then-existing set of national qualifications. During the same period Auckland Grammar School also progressively introduced international qualifications provided by Cambridge International Examinations (now known as Cambridge Assessment International Education). The Dual Qualifications Pathway is now firmly established, having operated successfully since 2005.

The School has since made further changes by introducing Pre-Q for Form 5 students. As its name suggests, Pre-Q is a pre-qualification curriculum and assessment programme, which aims to prepare students thoroughly for academic success as they enter either the Cambridge or NCEA qualification pathway in Form 6. The Pre-Q courses have been designed to more effectively “bridge the gap” which existed between previously prescribed Form 5 course requirements and the significant demands of Cambridge AS and NCEA Level 2 courses. Further to this, with Form 5 examinations now scheduled by the School towards the end of Term 4, rather than by external providers at the start of the term, we are delighted to be able to provide Form 5 students with an extra month of teaching time. This was not possible under the former external examination system.

All students in this year’s Forms 4, 5 and 6 have attended an Options Briefing where they have been given cohort-specific information about the Dual Pathway, external qualifications frameworks and requirements, and pathway requirements for progression and success in the Senior School and beyond to University Entrance and tertiary education. They have also been given advice about course planning and the option selection process for 2023. Students have been given a printed copy of the Course Handbook and further information about specific courses is available on the School website.

I hope you find the handbook informative and useful as your sons look ahead, plan their future courses of study at Grammar and embark on tertiary education and career pathways.

Tim O'Connor
Headmaster

AUCKLAND GRAMMAR SCHOOL

- SCHOOL GOALS -

- To provide a curriculum which in all disciplines will consist of content that is both substantial and rigorous.
- To enable students to achieve a standard of literacy and numeracy comparable to the best international standards.
- To require students in Forms 3 and 4 to study a major core of subjects consisting of English, Mathematics, Social Studies, Science, Languages and a minor core of Physical Education, Health, Music, Art and Technology. No major core subject will consist of a course of less than one year's duration.
- To measure student performance by competitive School examinations three times a year for all form levels and external examinations for all students in Forms 6 and 7.
- To encourage students to reach their maximum potential by competition and co-operation with their peers and for this purpose to use academic streaming, form by form.
- To inspire in students a love of learning and a respect for knowledge in a wide variety of disciplines.
- To enable students to master the skills required to acquire and apply knowledge.
- To teach students the value of hard work and the importance of healthy competition.
- To develop in students self-discipline, resourcefulness, adaptability, creativity, honesty, courtesy, self-reliance, healthy self-esteem, pride in personal appearance, public spirit and other personal qualities, and to aim to use these virtues for the good of the School and of society at large.
- To promote attitudes and behaviour reflecting a core of values supported by the School and community, including:
 - The encouragement and reward of effort and achievement.
 - The pursuit of excellence in all personal and group endeavours.
 - The importance of fulfilling commitments.
 - The acceptance of lawful and just authority.
 - Respect for and participation in the democratic process.
 - The balancing of self-interest with concern and tolerance for others, their cultures and beliefs.
- To develop in students sensitivity towards and acceptance of the rights of others in our culturally-diverse society.
- To encourage participation and interest in cultural activities and pursuits which lead to physical fitness and good health.
- To provide School rules requiring a high standard of conduct from students in the interests of creating and maintaining a well-disciplined learning environment for all.
- To appoint staff of the highest calibre, who are dedicated to excellence in classroom teaching, to continual enhancement of their subject expertise and to full participation in extra-curricular activities.
- To provide hostel accommodation for selected students from a wide variety of schools outside the Auckland metropolitan area, giving these students the opportunity to study at Auckland Grammar School.
- To promote these objectives for mutual benefit through contact and association with organisations in the community such as universities, Old Boys and Friends of the School.

QUALIFICATION PATHWAYS

INTRODUCTION

- Students entering Form 3 at Auckland Grammar School must realise that for the majority, this year is the start of a five-year programme, which will lead to University Entrance and further study at tertiary level.
- A small number of students will leave at the end of Form 5 or Form 6, for a variety of courses and reasons, but essentially the Senior School Programme at Auckland Grammar School should be viewed as a three-year commitment, beginning at Form 5.
- The success of Auckland Grammar School students in external academic examinations is well known and we regard it as our first priority to ensure all students achieve the best examination results, of which they are capable.
- Students must be prepared to work hard and tackle the requirements of the rigorous, advanced courses on offer; in return the School is committed to giving students, at all levels, the very best in teaching, guidance and support to ensure all students achieve to the best of their abilities.

AUCKLAND GRAMMAR SCHOOL PRE-QUALIFICATIONS PROGRAMME – PRE-Q

- Pre-Q is a pre-qualification curriculum and assessment programme, which aims to prepare students rigorously for study in the Senior School (Forms 6 and 7) and for high levels of academic achievement in Cambridge AS & A Level and NCEA Level 2 & Level 3 qualifications.
- The School introduced Pre-Q for Form 5 students at the beginning of 2019, replacing Cambridge IGCSE, and the majority of Form 5 students will study Pre-Q subject courses.
- Identified students will also study a number of NCEA Level 1 Achievement Standards and a selected group of students (predominantly from 2022's 4P and 4R) will study a full NCEA Level 1 course tailored to their particular learning needs.
- **The aims of the Pre-Q programme are:**
 - To help students to acquire the fundamental knowledge of specific subjects.
 - To promote deep understanding of subject content with a depth and a rigour appropriate to progression to, and success in, Senior School external qualifications.
 - To reduce the gap in content and rigour that existed between previously prescribed Form 5 course requirements and the significant demands of Cambridge AS Level and NCEA Level 2 courses.
 - To increase the amount of teaching and learning time for Form 5 students by rescheduling examinations later in Term 4.
- **Pre-Q Programme Structure and Syllabus/Course Design:**
 - Form 5 Pre-Q courses are designed to suit the whole student ability range in terms of accessibility and level of challenge. Courses are differentiated so that they are more accessible to students who might have previously struggled as they began NCEA

QUALIFICATION PATHWAYS

Level 2 or Cambridge AS Level in Form 6, while also including more capacity to stretch and challenge the most able, so that they are ready to perform strongly at Cambridge AS Level.

- Departments offer Pre-Q courses, containing core subject material designed to assist in preparing all students for Cambridge AS Level and NCEA Level 2. Some departments also offer Pre-Q Advancing courses, containing additional content, which will enable students to begin Form 6 courses with a strong foundation of knowledge and skills.
 - Pre-Q courses are constantly under review to ensure that they achieve their objectives.
 - Form 4 courses are also constantly being redesigned to provide a smoother progression for students in terms of course content and levels of expectation from Form 4 to Form 7.
 - There are no major changes to the options or timetable structures for Form 5 students for 2023, and students will study six subjects, comprised of compulsory English (or ESOL) and Mathematics and four option subjects, which they will select.
- **Pre-Q Assessment, Reporting and Passing Form 5:**
 - Pre-Q assessments replicate the internal and external assessment modes currently in use by external examination providers at Form 6 and 7 level, in order to prepare students for the format of Cambridge and NCEA examinations and assessments.
 - End-of-year examinations are a major part of the Pre-Q assessment system. For most courses, the Pre-Q mark is 100% derived from the Term 4 examination, although a number of Pre-Q courses will also have a coursework component (particularly in subjects which have a coursework or practical assessment component at Cambridge AS and A Level and NCEA Level 2 and Level 3).
 - As is currently the case for all form levels, Form 5 students will sit School examinations in three examination sessions during the year and receive a weighted aggregate mark (15% for the Term 1 examination, 35% for the Term 2 examination and 50% for the Term 4 examination).
 - This aggregate will be reported upon and used for Form 6 class placement and will be used, in conjunction with Pre-Q marks, to determine whether a student can progress to Form 6.
 - However, whether a student is able to gain automatic entry to the Cambridge or NCEA stream, or whether he is able to gain automatic entry to restricted Form 6 course will be wholly determined by his Pre-Q results (in most subjects this is 100% derived from the Term 4 examinations, as above).
 - These above criteria are consistent with the Form 6 general and specific pathway and course entry criteria set in previous years (refer to “Passing Form 5 and Form 6 at Auckland Grammar School” on page 13, for specific details).
 - Students will receive a Pre-Q Results Certificate with a single percentage mark for each subject.

QUALIFICATION PATHWAYS

NATIONAL QUALIFICATIONS - NCEA

The New Zealand Qualifications Authority (NZQA) provides three senior secondary qualifications (NCEA Level 1, NCEA Level 2 and NCEA Level 3) and the NZQA Scholarship award, which are generally studied at the following form levels:

- NCEA Level 1 - Form 5
- NCEA Level 2 - Form 6
- NCEA Level 3 - Form 7
- NZ Scholarship - Form 6 and Form 7

Important features of NCEA include:

- Each year-long course of study of an NCEA subject at Auckland Grammar School is assessed against five to nine Achievement Standards.
- All assessment is standards-based and:
 - Standards describe what a student knows and can do.
 - Standards describe the level of work that students need to produce.
 - Assessment criteria establish the level of performance required for the award of Achieved, Merit or Excellence grades.
 - Achievement Standards generally have between one and four assessment criteria.
- Each Achievement Standard is assessed either internally or externally:
 - Internal assessment generally involves common tests or assignments during the School year.
 - External assessment usually takes place during three-hour, end-of-year examinations.
- Students may successfully meet the Achievement Standards at one of three levels:
 - Achieved
 - Achieved with Merit
 - Achieved with Excellence
 - No marks are allocated.
- Each Achievement Standard has a credit value. In most cases each course will provide the opportunity for students to gain a maximum of 24 credits.
- Typically, a student studying five subjects will be able to gain a maximum of 120 credits.
- NZQA maintains a Record of Achievement for each student throughout their time at secondary school which records the credits that they gain by passing Achievement Standards.
- Students can download their Record of Achievement from the NZQA website, and a record of all Achievement Standards, which a student is currently entered for, is available on the Parent Portal.
- Students who achieve 80 credits at a level are awarded a National Certificate of Educational Achievement (NCEA). Note the following:
 - To be awarded an NCEA Level 1 Certificate, students must have in their 80 credits at least 10 credits of Numeracy standards and 10 credits of Literacy standards. Numeracy credits are primarily gained from Mathematics standards and specified

QUALIFICATION PATHWAYS

standards in a range of other subjects. Literacy credits are gained from English standards and specified standards in a range of other subjects.

- A maximum of 20 credits from a lower level can be combined with 60 credits to earn an NCEA certificate. That is, 20 credits gained at Level 1 can be added to 60 credits gained at Level 2 to earn a Level 2 Certificate and 20 credits gained at Level 2 can be added to 60 credits gained at Level 3 to gain a Level 3 Certificate.
- Students must achieve the Level 1 Literacy and Numeracy requirement to be awarded a Level 2 or Level 3 Certificate.
- These certificates show that students have achieved a general level of educational achievement. It is the Record of Achievement that shows exactly which Achievement Standards students have achieved in detail.
- Course Endorsements enable students with strong performances in individual courses (in most cases this means subjects) to gain Excellence or Merit endorsements in those courses. Students will receive an Excellence endorsement for a course, if they gain 14 credits at Excellence level, while students gaining 14 credits at Merit level or above (Merit and Excellence) will gain a Merit endorsement. At least three of the 14 credits must be from internally-assessed standards, and three from externally-assessed standards.
- Certificates can also be achieved with Merit or Excellence endorsements.
- For a certificate to be endorsed with Merit, 50 credits at Merit or Excellence is required; for a certificate to be endorsed with Excellence, 50 credits at Excellence is required.
- Unit Standards may also contribute credits towards NCEA. At Auckland Grammar School, Unit Standard assessment is currently limited to Career Studies courses, some Technology courses and Form 6 and Form 7 ESOL courses. There are only two grades available under Unit Standard assessment; Achieved or Not Achieved.

Note that, while the above information regarding NCEA was correct at the time of printing, a significant national review of NCEA has been conducted since 2018, and this will result in significant changes to the structure and format of NCEA assessment during the next five years.

Please also note that in 2020 and 2021, Learner Recognition Credits were applied for students in Auckland in response to the COVID-19 pandemic. At the time of printing this handbook, there is no indication that any changes will be made to the requirements outlined above for 2022.

Further information on NZQA and NCEA can be found at: www.nzqa.govt.nz.

QUALIFICATION PATHWAYS

INTERNATIONAL QUALIFICATIONS - CAMBRIDGE

Cambridge Assessment International Education (CAIE and referred to in this handbook as “Cambridge”) examinations are administered by the University of Cambridge Local Examinations Syndicate (UCLES). UCLES is one of the world’s leading examining bodies. Established in 1863, it provides examination services in over 160 countries around the world. Each year, over one million students in over 10,000 schools sit Cambridge examinations. Although Cambridge is based in the United Kingdom, and the structure of the Cambridge awards is similar to the UK awards, its courses are designed for the international community.

Cambridge offers three general secondary qualifications:

- International General Certificate of Secondary Education (IGCSE) – not offered at Auckland Grammar School since 2019.
- Advanced Subsidiary Level (AS) - usually taken in Form 6.
- Advanced Level (A Level) - usually taken in Form 7.

Cambridge courses are generally assessed through external examinations, although a small number of subjects also have a coursework component. The different course components of each subject are assessed by separate examination papers, including practical work in the Sciences, Physical Education, Music, Technology and Art subjects. Students receive grades and percentage marks for each subject.

Examinations are held twice a year in May/June and in October/November. Students at Auckland Grammar School will generally sit their examinations in the October/November examination series. Students who are currently studying an A Level subject will have the opportunity to re-sit the AS components of their A Level in the May/June series, in a limited number of subjects.

Cambridge qualifications are recognised both nationally and internationally and are highly regarded as University Entrance qualifications in New Zealand (see pages 14-16) and overseas.

Advanced Subsidiary (AS) Level:

- Are the first half of a full A Level (the second half is known as A2) and are generally studied in Form 6. Some AS Levels (such as AS Japanese) which have been developed by New Zealand schools, in conjunction with Cambridge, are only available as Form 7 courses.
- Cover the core, foundation aspects of a subject at an advanced level.
- Are worthwhile, stand-alone qualifications that can be used for University Entrance. The minimum New Zealand general University Entrance requirement is three D grades at Cambridge AS Level (see pages 14-16 for more details on the specific requirements for University Entrance).
- Five pass grades are awarded: A, B, C, D and E. Marks below these are Ungraded (U).

QUALIFICATION PATHWAYS

A Level (A2):

- An AS Level can be carried through to a full A Level by completing the second half of the syllabus known as A2 (there is no such thing as a separate, stand-alone A2 qualification).
- A2 components are available as Form 7 courses and only to students who have already completed the AS syllabus components the previous year.
- A Level syllabi offer challenging assessments to stretch the most able students, and a number of restricted entry university courses in New Zealand and overseas will require students to have completed subjects at A Level.
- Students who have completed their AS components the previous year and are currently studying the full A Level have the option of re-sitting the AS components in order to improve their overall A Level grade in a limited number of subjects.
- Six pass grades are awarded: A*, A, B, C, D, E. Marks below these are Ungraded (U).

Further information can be found at: www.cambridgeinternational.org

THE DUAL PATHWAY

In 2023, NCEA and Cambridge qualifications will be available for students in Forms 6 and 7.

They offer students two pathways to tertiary entrance:

- NCEA Pathway
 - PRE-Q/Limited NCEA Level 1 (Form 5)
 - NCEA Level 2 (Form 6)
 - NCEA Level 3 (Form 7)
- Cambridge Pathway
 - Pre-Q (Form 5)
 - Cambridge AS Level (Form 6)
 - Cambridge AS and A Level (Form 7)
- In Form 5 the majority of students will study a Pre-Q-based course. Students in a number of classes from 5K-5R will study a limited number of NCEA Level 1 English and Mathematics Achievement Standards. Selected students (primarily from 4P and 4R in 2022) will study a full NCEA Level 1 course tailored to their specific learning needs.
- Students commencing Form 6 study must decide which qualification pathway they will pursue, the Cambridge Pathway or the NCEA Pathway. Forms 6 and 7 should be regarded as a two-year programme.
- Students commencing Form 7 study will, in most cases, remain on their selected Cambridge or NCEA pathway. However, a number of students will be required to change to the NCEA Level 3 pathway in Form 7. This is because they will not be able to gain sufficient marks to gain A Levels, due to very poor performance at AS Level (which is the first half of a two-year course of study).
- The course planning section that follows provides important information and guidance for students selecting courses for 2023.

QUALIFICATION PATHWAYS

THE DUAL QUALIFICATION PATHWAY IN 2023 IS AS FOLLOWS:

- 4A and 4B Pre-Q Mathematics.
- 5A and 5B AS Mathematics for most students. Pre-Q in all other subjects except Latin and Te Reo Māori.
- 5C to 5I Pre-Q in all subjects except NCEA Level 1 Latin and Te Reo Māori.
- 5J to 5N Pre-Q in all subjects except NCEA Level 1 Latin and Te Reo Māori. Students will also do a number of NCEA Level 1 English and Mathematics Achievement Standards.
- 5P and 5R This selected cohort will study a tailored full NCEA Level 1 course.
- 6A and 6B Cambridge A Level Mathematics (optional); Cambridge AS Level in all other subjects except NCEA Level 2 Japanese, Latin and Te Reo Māori.*
- 6C to 6I Cambridge AS Level in all subjects except NCEA Level 2 Japanese, Latin and Te Reo Māori. NCEA Level 2 ESOL (if necessary).*
- 6C1 to 6I1 NCEA Level 2 in all subjects.
- 7A to 7I Cambridge AS Level and A Levels in all subjects except Latin (and NCEA Level 3 ESOL if necessary).*
- 7C1 to 7H1 NCEA Level 3 in all subjects.

Note: Highly able Form 6 and 7 students may also elect to enter NZQA Scholarship examinations.

* REQUIREMENTS FOR AUCKLAND GRAMMAR SCHOOL HONOURS BOARD

To be eligible for consideration for recognition on the School's Honours Board, students must:

- Be studying in Form 6 or Form 7, AND
- Attend and make a genuine attempt in all Cambridge, NCEA and NZQA Scholarship examinations entered this year.

AND ACHIEVE:

EITHER:

- A place in the top 10% of the cohort studying Form 7 Cambridge pathway and Form 6 students studying A Level Mathematics, based on Cambridge exam 6-credit¹ mean mark results², AND
- At least 2 NZQA Scholarships in this year's NZQA examinations

OR:

- 3 or more passes in NZQA Scholarship subjects this year

Exceptions will only be considered for Form 7 students who fulfil the following criteria this year:

- Place in at least the Top 10% of the total number of students studying the Form 7 Cambridge pathway, based on Cambridge exam 5-credit mean mark results, AND
- Study a subject that is not offered by Cambridge and is NCEA, AND
- Receive an Excellence endorsement in the NCEA subject, AND
- Receive an NZQA Top Scholar subject award in the NCEA subject

¹ An AS result = 1 credit; an A2 result = two credits. To obtain a 6-credit mean mark, Form 6 students must be studying A Level Mathematics this year, so most Form 6 students not eligible via Cambridge marks.

² For November 2021 Cambridge examinations this was a 6-credit mean mark of at least 92%.

FORM LEVELS SUMMARY

FORM FOUR

Entry

Automatic upon completion of a Form 3 year of academic study.

Class Placement

All form classes are streamed. Students are placed according to their aggregate marks in the three Form 3 School examinations* (exceptional circumstances such as illness are taken into account).

Course Outline

- All students study a common core of English, Mathematics, Science and Social Studies Sciences - Geography and History.
- Students in 3A-3H in 2022 choose two option subjects for 2023; students in 3I-3R in 2022 choose one option subject for 2023.
- All classes have Physical Education, Health and Music each week. Physical Education and Health address several important aspects of personal development.
- Students in 4A and 4B will study the Pre-Q Mathematics course in 2023.

FORM FIVE

Entry

Automatic, upon completion of a Form 4 year of academic study.

Class Placement

All form classes are streamed. Students are placed according to their aggregate marks in the three Form 4 School examinations* (exceptional circumstances such as illness are taken into account).

Course Outline

All students must study six subjects, and will select from a range of options available to them depending on their Form 4 class.

- English and Mathematics are compulsory for all students except some students who do ESOL instead of English.
- 4A - 4D can take Triple Science (STQ **and** STZ - 3 Sciences (BIQ/CHQ/PHQ) across 2 option lines) **or** up to 2 Science subjects (BIQ/CHQ/PHQ).
- 4E - 4I can take up to **3** Science subjects (BIQ/CHQ/PHQ).
- 4J - 4O can take up to **2** Science subjects (BIQ/CHQ/PHQ).
- 4P and 4R take NCEA Level 1 Science (SCI-L1).
- Courses at Form 5 level must be chosen carefully, with consideration given to proposed Form 6 and 7 study and possible tertiary study requirements.

FORM SIX

Entry

To earn automatic entry to Form 6 in 2022 students must gain the following marks in School examinations and/or Pre-Q examinations:

<i>Either</i>	280 in 6 subjects
<i>Or</i>	250 in 5 subjects

Class Placement

All form classes are streamed. Students are placed on the basis of their weighted aggregate marks* in all subjects in the Form 5 School examinations (exceptional circumstances such as illness are taken into account).

Course Outline

- All students must study Form 6 qualifications in five subjects except:
 - Students who completed Cambridge AS Mathematics in Form 5 may select Cambridge A2 Mathematics in Form 6 (optional). Careful consideration must be given to University Entrance and tertiary and possible career pathways when selecting Form 6 options.
- English or ESOL is compulsory for all students.

FORM SEVEN

Entry

The criteria for **automatic** entry to Form 7 in 2023 are:

- 6A-6I: a weighted, best * four-subject aggregate of 200 or better in the School examinations or 160 or better in AS examinations.
- 6C1-6I1: a weighted, best-four subject aggregate of 200 or better in the School examinations **and** at least 60 credits in NCEA Level 2.

Class Placement

All form classes are streamed. Students are placed according to their aggregate marks in all five subjects in the three Form 6 School examinations*(exceptional circumstances such as illness are taken into account).

Course Outline

- Students studying for NCEA Level 3 must enter five subjects
- Students studying for Cambridge AS/A Levels must enter four subjects. They will attend structured tutorial periods in lieu of a fifth subject.
- There are no compulsory subjects, however, careful consideration must be given to University Entrance and tertiary and possible career pathways when selecting Form 7 options.

Weighted Aggregates

* The weighted aggregate is generated by their performance in three School examinations held during the year. The weighting is as follows:

- Term 1 examination result = 15% of total
- Term 2 examination result = 35% of total
- Term 3 (for Forms 6 and 7) or Term 4 (for Forms 3,4 and 5 examination result = 50% of total.

CURRICULUM FLOW CHART

Subject Availability (will run subject to demand and staffing)

Form 3	Form 4	Form 5 (Pre-Q/Limited NCEA Level 1)	Form 6 (Cambridge AS/ NCEA Level 2)	Form 7 (Cambridge AS and A Level/ NCEA Level 3)
English ESOL	English ESOL	English ESOL (L1) Literacy (L1)	English ESOL (L2)	English ESOL (L3) Media Studies (L3)
Mathematics	Mathematics	Mathematics	Mathematics	MAT Mathematics Statistics
Science	Science	Biology Chemistry Physics Science (L1)	Biology Chemistry Physics Earth & Space Science (L2)	Biology Chemistry Physics Earth & Space Science (L3)
Social Studies: Geography/History	Geography/ History	Geography History Humanities (L1)	Geography History Earth & Space Science (L2)	Geography History Earth & Space Science (L3)
Latin (Compulsory for 3A to 3H)	Latin	Latin (L1) Classics	Latin (L2) Classics	Latin (L3) Classics
French	French	French	French	French
Japanese	Japanese	Japanese	Japanese (L2)	Japanese (AS and L3)
Spanish	Spanish	Spanish	Spanish	Spanish
Te Reo Māori	Te Reo Māori	Te Reo Māori (L1)	Te Reo Māori (L2)	Te Reo Māori (L3)
Visual Art	Visual Art	Digital Art Fine Art Visual Art (L1)	Design (L2) Painting (L2) Photography (L2) Digital Art Design (AS) Digital Art Photography (AS) Fine Art (AS)	Design (L3) Painting (L3) Photography (L3) Design (A2) Photography (A2) Painting (A2)
Technology	Graphics	Graphics/Graphic Products	Graphics (AS) Industrial Design (L2)	Graphics (A2) Industrial Design (L3)
	Engineering Systems and Design	Trades and Construction Engineering Systems and Design	Trades and Construction (L2) Product Design (AS)	Trades and Construction (L3) Product Design (A2)
Physical Education/ Health	Physical Education/ Health	Physical Education	Physical Education	Physical Education
General Music	General Music Music	Music	Music	Music
	Accounting Bus. Studies	Accounting Business Studies Commerce (L1)	Accounting Business Studies	Accounting Business Studies
	Economics Bus. Studies	Economics Business Studies Commerce (L1) Career Studies (L1)	Economics Business Studies Career Studies (L2)	Economics Business Studies Career Studies (L3)

QUALIFICATION PATHWAYS

PASSING FORM 5 AND FORM 6 AT AUCKLAND GRAMMAR SCHOOL

In New Zealand there is no official criterion for 'passing' Form 5 and Form 6. In fact, schools determine their own entry criteria to Form 6 and Form 7 courses.

Auckland Grammar School has never practiced social promotion in the Senior School. Instead it has set entrance criteria based on student performance in national qualifications (which have generally been awarded on the basis of external examinations) and in School examinations.

PASSING FORM 5:

To earn **automatic** entry to Form 6 in 2023 students must gain the following weighted aggregate mark* in School examinations or Pre-Q examinations:

Either 280 in 6 subjects

Or 250 in 5 subjects

Entry to the Cambridge Pathway and to Cambridge and NCEA courses with restricted entry is determined by Pre-Q results (except for students doing the full NCEA Level 1 Programme in Form 5). In order to study a Cambridge course (AS Level), students must meet the course entry requirements. Students who have studied a full NCEA course must gain a minimum of 60 credits at NCEA Level 1 for automatic entry to Form 6.

PASSING FORM 6:

The criteria for **automatic** entry to Form 7 in 2023 are:

- 6A-6I: a weighted, best four-subject aggregate* of 200 or better in the School examinations or 160 or better in AS examinations.
- 6C1-6I1: a weighted, best four-subject aggregate* of 200 or better in the School examinations and at least 60 credits in NCEA Level 2.

Note:

* The weighted aggregate is generated by performance in the three School examinations held during the year. The weighting is as follows:

Term 1 examination result = 15% of total

Term 2 examination result = 35% of total

Term 3 (for Form 6) or Term 4 (for Form 5) examination result = 50% of total

Form 6 and 7 class placement for 2023 will be based on weighted aggregate marks of all subjects studied in 2022. Students were informed of this policy at the Academic Briefings in Term 1.

QUALIFICATION PATHWAYS

UNIVERSITY ENTRANCE

To qualify for University Entrance (UE) at a New Zealand university, students must meet three requirements:

1. A Numeracy standard
2. A Literacy standard
3. A general subject standard

These requirements can be met through either NCEA or Cambridge qualifications but not through a combination of both for the general subject standard. That is, while students can gain University Entrance Numeracy and Literacy from a mix of Cambridge and NCEA Standards, the general subject standard must be attained by meeting the Cambridge or NCEA requirements.

This is why students need to select either the Cambridge Pathway or the NCEA Pathway from Form 6 onwards.

The University Entrance requirements for both NCEA and Cambridge qualification pathways are shown on the next page. In general students are expected to enter university after they have completed Form 7. Universities have entrance procedures in place to admit students who have only completed Form 6, however, these usually require higher grades. Neither the School nor the universities encourage students to seek Discretionary Entrance. Most students cope better with university life and gain higher grades when they have completed a Form 7 course and five years of secondary education.

QUALIFICATION PATHWAYS

The University Entrance Standard:

Students gain entrance to university by attaining the standards below:

Standard	NCEA	CAMBRIDGE
Numeracy	<ul style="list-style-type: none"> Minimum of Numeracy 10 credits at Level 1 or higher (from Mathematics or specified standards in a range of subjects) 	<ul style="list-style-type: none"> Any Mathematics subject passed at AS Level (or as prescribed for NCEA UE Numeracy).
Literacy	<ul style="list-style-type: none"> Minimum of Literacy 10 credits at Level 2 or higher (from English, or specified standards in a range of subjects), including (or as prescribed for NCEA UE Literacy): <ul style="list-style-type: none"> 5 credits in Reading; 5 credits in Writing 	<ul style="list-style-type: none"> Minimum grade of E in AS Level English.
General Subjects	<ul style="list-style-type: none"> NCEA Level 3 (80 credits, including up to 20 credits carried forward from Level 2) <ul style="list-style-type: none"> minimum of 14 credits in <u>three</u> subjects from the approved list * 	<ul style="list-style-type: none"> Minimum of 120 points on the NZ Cambridge University Entrance Tariff (NZ CUET)** table (see below) Minimum grade of D in at least 3 subjects (at AS or A Level).

* With the exception of Career Studies, ESOL and Trades and Construction, all Level 3 and Cambridge AS/A Level subjects are on the approved list.

** The NZ Cambridge University Entrance Tariff (NZ CUET) is a system which converts AS and A Level grades into points for entry purposes (formerly known as the UCAS Tariff).

NZ Cambridge University Entrance Tariff (NZ CUET)

Grade	A Level	AS Level
A*	140	-
A	120	60
B	100	50
C	80	40
D	60	30
E	40	20

Please note:

In 2020 and 2021, changes to the University Entrance criteria were made in response to the COVID-19 pandemic. At the time of printing, there is no indication that any changes will be made to the standards published above, for School leavers for 2022.

QUALIFICATION PATHWAYS

Admission to Limited Entry Courses:

In 2010, the University of Auckland established limited entry to all degree courses and universities, including Massey, Otago and Victoria, have also introduced limited-entry criteria. The selection process is based on the number and standard of credits (Achieved, Merit or Excellence) students have achieved in NCEA, or the NZ Cambridge University Entrance Tariff (NZ CUET) points students have achieved in Cambridge. A student's rank score is based on the total points score for up to six subject units at AS Level (one subject unit) or A Level (two subject units).

More detailed information about University Entrance via the Cambridge Pathway and the NCEA Pathway, including criteria for admission to degree programmes at the University of Auckland, can be found in the Departments and Faculties section of the School website. More details can be also found on all university websites.

Points of Note:

- Students intending to study at universities outside of Auckland or overseas should find out what the entrance criteria are for selective entry courses, in terms of the levels of qualifications and subjects that are required. Cambridge students seeking admission to overseas universities are strongly advised to complete three A Levels and should note that English Language (Literacy) requirements may be higher than the New Zealand general University Literacy requirement.
- Māori and Pacific Island students should note that they may be eligible for the admissions schemes established for them in many faculties and departments.
- The University of Auckland has additional requirements for selection into many of its programmes for International Students.

COURSE PLANNING

GENERAL GUIDELINES FOR STUDENTS CHOOSING OPTIONS

- Take care over making your choices.
- Research your options and discuss your proposed option selections with your teachers and parents and other people who can give you good advice. Student Services and Vocational and Assisted Learning Department staff can help you and subject teachers can also help. Do not choose a subject because your friends are taking it - choose subjects based on your strengths, interests and possible tertiary and career pathways.
- Be realistic about your abilities. Generally it is not advisable to continue with a subject if you are not achieving sound results at your current level of study, as subject difficulty increases incrementally each year.
- Select subjects that you are interested in and in which you expect to succeed. Entry to Form 6 and Form 7 and to tertiary courses will depend upon the grades you gain, and it is usually easier to succeed in a subject in which you have an interest.
- If you wish to pursue a particular tertiary qualifications or career, find out the Cambridge or NCEA qualifications and grades that you will need for entry and the subjects that you need to study at School. Qualifications and careers advice is available from the Student Services Department.
- The following is a useful formula to use to help determine your course choice:
$$\text{Ability} + \text{Interest} + \text{Tertiary Study \& Career Pathways} \\ = \text{Course Choice}$$
- Every student in Form 5 must select Pre-Q courses (except for a selected cohort predominantly from 2022's 4P and 4R) who will study a tailored NCEA Level 1 course). Every student in Form 6 must sit either Cambridge AS Level or NCEA Level 2 courses and examinations. Every student in Form 7 must sit either Cambridge AS/A Level courses and examinations or NCEA Level 3 courses and examinations. With the exception of students selected to be accelerated in Mathematics, students cannot study courses above their form level.
- It may also be possible to study a subject at a level below your own form level. For example, a Form 7 student who struggled with NCEA Level 2 in Form 6, might need to do a mix of NCEA Level 2 and 3 courses. Permission for 'multi-level' study must be obtained from the relevant form-level Dean.

COURSE PLANNING

- Plan your course ahead, and pay particular attention subject pathways and pre-requisites.
Ensure that the particular combination of subjects you wish to take is available under the present option structure for each of the remaining years you will be at School. Do not choose to do two subjects which only appear on the same option line at a later stage.
- Accounting, Art History, Business Studies, Classical Studies, Earth & Space Science, Economics, Geography, History and Media Studies can be commenced at any level. Music, Physical Education and Visual Arts can be commenced at any level, provided students are able and gain the approval of the appropriate Head of Department. Other subjects have pre-requisites of prior study, so it is essential that students check subject and course pre-requisites carefully.
- Note that the inclusion of a subject in any option line on the option choices forms is not a guarantee that there will actually be a class, as sometimes not enough students choose the subject in a particular option line to justify allocating staff, and the School is not always able to allocate teachers to staff all classes in all option lines. The option structure is a School policy matter, decided upon by the Headmaster and senior staff, and changed only after much careful thought and debate. While the option line structure is carefully designed to enable the vast majority of students to be able to select their preferred options and the School endeavours to make all options available to students (subject to pre-requisites being met), there are inevitably restrictions which means that not all students are able to select their preferred combination of subjects (especially when their preferred subjects only have one class operating).

FORM 4 COURSE PLANNING - ADVICE TO CURRENT FORM 3 STUDENTS

You should carefully consider the following points before selecting your option subjects for 2023:

- Students currently in 3A – 3H are to select two Form 4 options.
- Students currently in 3I – 3R are to select one Form 4 option.
- If a student currently in 3I - 3R shifts to the 4A - 4H band, he will be asked to select a second option by the Form 4 Dean on Day 1, 2023. Conversely if a student currently in 3A - 3H shifts to the 4I - 4R band, he will be asked which one of his two selected options he would like to study for 2023.
- You should choose option subjects in which you are demonstrating ability, have an interest, and which are likely to help you in the future. You need to identify your strengths and interests and think about which subjects you would like to study in the Senior School.
- Many subjects offered at Form 5 level and beyond require students to have studied the subject at Form 4 level, so you need to plan your subject pathways carefully. Form 5 subjects which have a prerequisite of having studied the subject in Form 4 include: Art, Engineering, Graphics, Music, French, Japanese, Latin, Spanish and Te Reo Māori.
- Detailed descriptions of Form 4 option subjects (including course outlines and pathways to further study) can be found in the Departments and Faculties section of the School website.
- Each of these options runs for 6 periods per week.

These options are correct at the time of printing, however, they are subject to change.



Auckland Grammar School

Form 4 Option Choices for 2023



Option	2022 Forms 3A and 3B	2022 Forms 3C - 3H	2022 Forms 3I - 3R
5	BEA / ESD / FRE / GRA / JAP / LAT / MAO / MUS / SPA / VIS	BEA / ESD / FRE / GRA / JAP / LAT / MAO / MUS / SPA / VIS	BEA / ESD / FRE / GRA / JAP / LAT / MAO / MUS / SPA / VIS
6	BEA / ESD / FRE / GRA / JAP / LAT / MAO / MUS / SPA	BEA / ESD / ESOL / FRE / GRA / JAP / LAT / MAO / MUS / SPA	

Form 4 Course Planning - Advice to Current Form 3 Students

You should carefully consider the following points before selecting your option subjects for 2023:

- Students currently in 3A - 3H are to select two Form 4 options.
- Students currently in 3I - 3R are to select one Form 4 option.
- If a student currently in 3I - 3R shifts to the 4A - 4H band, he will be asked to select a second option by the Form 4 Dean on Day 1, 2023. Conversely, if a student currently in 3A - 3H shifts to the 4I - 4R band, he will be asked which one of his two selected options he would like to study for 2023.
- You should choose option subjects which you are demonstrating ability, have an interest, and which are likely to help you in the future. You need to identify your strengths and interests and think about which subjects you would like to study in the Senior School.
- Many subjects offered at Form 5 level and beyond require students to have studied the subject at Form 4 level, so you need to plan your subject pathways carefully. Form 5 subjects which have a prerequisite of having studied the subject in Form 4 include: Art, Engineering, Graphics, Music, French, Japanese, Latin, Spanish and Te Reo Māori.
- Detailed descriptions of Form 4 option subjects (including course outlines and pathways to further study) can be found in the Departments and Faculties section of the School website following Options Evening on Tuesday 16 August.
- Each of these options runs for 6 periods per week.

Subject Codes
BEA
ESD
ESOL
FRE
GRA
JAP
LAT
MAO
MUS
SPA
VIS

Business Studies Economics Accounting
 Engineering Systems and Design
 English Second Language
 French
 Graphics
 Japanese
 Latin
 Te Reo Māori.
 Music
 Spanish
 Visual Art

COURSE PLANNING

FORM 5 COURSE PLANNING - ADVICE FOR CURRENT FORM 4 STUDENTS

It is important to understand that although Form 5 School examinations and external qualifications are useful signposts of student ability and achievement, they cannot be used by students to gain entry to tertiary education and are seldom used by Auckland Grammar School students to gain employment.

Rather, Form 5 is an important foundation year for senior academic study and examination results are used primarily as a formal measure of student performance and development and are used to determine a student's ability to progress to study at Form 6 level. External qualifications, which can be used as 'tickets' to tertiary education and employment, are gained at Forms 6 and 7.

You should carefully consider the following points before selecting your subjects for 2023:

- You must study six subjects (although students selecting Triple Science are effectively studying seven subjects).
- English and Mathematics are compulsory.
- You should choose, as your four options, subjects which you are good at, have an interest in, and which are likely to help you in the future. You need to identify your strengths and interests and think about what you may need in your studies beyond School or in the workforce.
- Your course should be broad-based so that you keep your options open for the future. For this reason, you are strongly advised to select both Arts and Sciences subjects. A number of degree courses (BE, BHSc, BPharm) prefer or require applicants to have full A Levels in one or more Science subjects, so you need to plan your subject pathways carefully.
- To ensure that students do not choose courses with too narrow a focus, these restrictions apply:
 - You may choose DAQ or FAQ but not both.
 - You may choose a maximum of two Commerce subjects (ACQ, BUQ, ECQ)
- Students in 4A - 4D can take Triple Science (STQ and STZ) - 3 Science subjects (BIQ/CHQ/PHQ) across 2 option lines) or up to 2 Science subjects (BIQ/CHQ/PHQ).
- Students in 4E - 4I can take up to 3 Science subjects (BIQ/CHQ/PHQ), although it is recommended that students select a maximum of 2 Sciences.
- Students in 4J - 4O can take up to 2 Science subjects (BIQ/CHQ/PHQ).
- Students in 4P and 4R take NCEA Level 1 Science (SCI-L1), English and Mathematics and three option subjects.
- You will study five subjects in Form 6 as you start to specialise more.
NB: Students wishing to study AS Level Science subjects must take Triple Science (STQ/STZ) or specialist Science subjects (BIQ, CHQ, PHQ) in Form 5.
- To qualify for the Cambridge Pathway in Form 6 in 2023, you must meet the requirements outlined in the section entitled "Passing Form 5 and Form 6" on page 13.

These options are correct at the time of printing, however, they are subject to change.



Auckland Grammar School

Form 5 Option Choices for 2023



Option	2022 4A - 4D	2022 4E - 4I	2022 4J - 4O	2022 4P and 4R
1	ACQ / CHQ / CLQ / DAQ / ECQ / ERQ / GEQ / GRQ / HIQ / JAQ	ACQ / CHQ / CLQ / DAQ / ERQ / GEQ / GRQ / HIQ / JAQ	ACQ / CAS-L1 / CHQ / CLQ / DAQ / GEQ / GRQ / HIQ / JAQ	CAS (VOC) -L1 / COM-L1 / JAQ
2	BIQ / BUQ / CHQ / FAQ / PHQ / SPQ / STZ	ACQ / BIQ / BUQ / CHQ / FAQ / PHQ / SPQ	ACQ / BIQ / BUQ / CHQ / CNQ / FAQ / PHQ / SPQ	SCH-L1
3	BIQ / CLQ / DAQ / FAQ / GEQ / GRQ / HIQ / PEQ / PHQ / STQ	BIQ / CHQ / CLQ / DAQ / ECQ / FAQ / GEQ / GRQ / HIQ / PEQ / PHQ	BIQ / CHQ / CLQ / DAQ / ECQ / FAQ / GEQ / GRQ / HIQ / PEQ / PHQ	VIS-L1 / CNQ / PER
4	ENQ	ENQ	MAQ	MAT-L1
5	ACQ / BIQ / BUQ / ERQ / FNQ / GEQ / HIQ / LAQ / MAO-L1 / MUQ / PEQ / PHQ / SPQ	ACQ / BIQ / ERQ / FNQ / GEQ / HIQ / LAQ / MAO-L1 / MUQ / PEQ / PHQ / SPQ	BIQ / FNQ / GEQ / HIQ / LAQ / MAO-L1 / MUQ / PEQ / PHQ / SPQ	FNQ / HUM-L1 / LIT-L1 / MAO-L1 / MUQ
6	MAQ	MAQ	ENG-L1	ENG-L1

* All Form 5 students must select 4 subjects from Option lines 1,2,3,5
 * English/ESOL and Mathematics are compulsory and are in Option lines 4 and 6.
 * Each of these options run for 6 periods per week

Art: Students may take DAQ or FAQ but not both

Commerce: Students may take a maximum of 2 Commerce subjects (ACQ, BUQ, ECQ)

Science: 4A - 4D can take Triple Science (STQ and STZ) - 3 Sciences (BIQ/CHQ/PHQ) across 2 option lines) or up to 2 Science subjects (BIQ/CHQ/PHQ)

4E - 4I can take up to 3 Science subjects (BIQ/CHQ/PHQ), although it is recommended that students select a maximum of 2 Sciences.

4J - 4O can take up to 2 Science subjects (BIQ/CHQ/PHQ)

4P and 4R can take NCEA L1 Science (SCH-L1), English and Mathematics and three option subjects

Subject Codes	
ACQ	Accounting
BIQ	Biology
BUQ	Business Studies
CAS (VOC)-L1	L1 Career Studies/Vocational Studies
CHQ	Chemistry
CLQ	Classics
CNQ	Trades and Construction
COM-L1	L1 Business Studies/Economics
DAQ	Digital Art
ECQ	Economics
ENG-L1	L1 English
ENQ	English
ERQ	Engineering
FAQ	Fine Arts
FNQ	French
GEQ	Geography
GRQ	Graphics/Graphic Products
HIQ	History
HUM-L1	L1 Humanities
JAQ	Japanese
LAQ	Latin
LIT-L1	L1 Literacy
MAO-L1	L1 Te Reo Māori.
MAQ	Mathematics
MAT-L1	L1 Mathematics
MUQ	Music
PEQ	Physical Education
PER-L1	L1 Physical Education
PHQ	Physics
SCH-L1	L1 Science
SPQ	Spanish
STQ/STZ	Triple Science
VIS-L1	L1 Visual Arts

COURSE PLANNING

FORM 6 COURSE PLANNING - ADVICE FOR CURRENT FORM 5 STUDENTS

Most students entering Form 6 are commencing a two-year course of study, leading to tertiary study, and so you need to seriously consider your future plans for tertiary study and careers. You also need to carefully plan your two-year programme for Form 6 and Form 7 and be very clear about which qualification you are aiming for, in order to gain tertiary entry and entry to university courses with particular pre-requisites.

Your academic programme should include courses that you think you will need to gain admission to tertiary courses or for employment (you may need to consult the Student Services staff for advice and guidance). There should still be opportunities to include subjects in your course which are strengths or that you enjoy and, in fact, if you are not strong at a subject and/or do not enjoy it, you should seriously consider whether it will lead to successful tertiary study.

Students choose:

- either Cambridge AS Level subjects
- or NCEA Level 2 subjects

The only students with a “mixed” course will be those studying a predominantly Cambridge course who:

- Are studying a subject that is not available at Cambridge AS Level in Form 6. You will study an NCEA Level 2 course in these subjects.
- Are weak in English and select NCEA Level 2 English or ESOL in order to maximise the likelihood of gaining Literacy for University Entrance.

To ensure that students do not choose courses with too narrow a focus, these restrictions apply:

- You may choose GRX or PDX but not both at AS Level.
- You may choose two Commerce subjects.
- For 2023 you may only choose one of DEX or PYX but not both at AS Level, or only two of DES, PTG, and PHO at NCEA Level 2.

Students who are in 5A to 5J in 2022:

- Most students will study Cambridge AS courses in Form 6, however, if you are not likely to meet the entrance criteria for AS Level courses, you may want to consider changing to the NCEA Pathway.
 - NCEA Level 2 is a ‘standalone’ qualification. You do not have to complete NCEA Level 1 in order to study NCEA Level 2 subjects.
 - Your Pre-Q studies will have prepared you to cope with NCEA Level 2 study.
 - Remember, however, that ‘D’ grades in AS do generate 30 points towards the 120 points needed for general New Zealand University Entrance.

COURSE PLANNING

- If you decide to study a Cambridge AS course you will need to carefully consider which subjects you choose:
 - You must study five subjects including English/ESOL, which is compulsory.
 - If you are currently studying AS Mathematics you are recommended to select A Level Mathematics for Form 6, although this is not compulsory.
 - If you are intending to study Mathematics and one or more Science subjects, you should be achieving marks of at least 70% in these subjects at Pre-Q level if you are to cope with AS Level courses.
 - Japanese, Latin and Te Reo are not available as AS subjects in Form 6, however at this stage, they are available as NCEA Level 2 courses (and at AS Level for Japanese in Form 7 and NCEA Level 3 for Latin and Te Reo Māori in Form 7).
 - In Form 6 you must achieve a Literacy Standard for University Entrance. This is an 'E' grade or better in AS English Literature or AS Language and Literature. If English is one of your weaker subjects, your best option may well be to study NCEA Level 2 English or ESOL to maximise the likelihood of gaining the University Entrance Literacy requirement (you must gain 5 credits in Reading and 5 credits in Writing for University Entrance). Note that a number of overseas universities have higher English/Literacy entrance requirements.
 - A number of degree courses (BE, BHSc, BPharm) require applicants to have full A Levels in one or more Science subjects and many overseas universities require at least three full A Levels for entrance purposes.

Students who are in 5K to 5R in 2022:

- NCEA is likely to be most appropriate qualifications pathway for 2023.
- You must study five subjects (English/ESOL is compulsory and four options).
- If you do not earn entry to Form 6 you will remain in Form 5, your course of study will be determined in consultation with your Dean.
- If you are motivated and are achieving very good results you may select a Cambridge AS Level course. However, you will need to meet the entrance criteria for AS Level courses outlined in the section entitled "Passing Form 5 and Form 6" on page 13 and you need to be aware that many AS Level courses are very challenging.

These options are correct at the time of printing, however, they are subject to change.



Auckland Grammar School

Senior Option Choices for 2023



FORM 6		FORM 7	
NCEA Level 2		NCEA Level 3	
Form 6 Advanced Subsidiary (AS)		A2	
1	ENG / ESOL-L2	ENX / ESOL-L2 / MA2	BIO / CON / DES / ECO / GEO / PHY
2	CHE / GEO / HIS / MAT / PED	CLX / ENX (6A & 6B) / GEX / HIX / MAX / PEX	CHE / CLS / ECO / ENG / ESOL-L3 / GEO / HIS / JAP / PED / STA
3	BIO / BUS / ESS / GEO / LAT / PED / PHO / PHY / PTG	ACX / BIX / BUX / CHX / ECX / FAX / GEX / LAT-L2 / MUX / PHX / PYX	CLS / ESS / GEO / HIS / IND / LAT / MAT
4	CHE / CLS / CON / DES / ECO / FRE / GEO / HIS / JAP / MAO / MUS / SPA	CHX / CLX / DEX / ECX / FRX / HIX / JAP-L2 / MAO-L2 / PEX / PHX / SPX	ACC / BIO / CAS / FRE / HIS / IND / JAP / MAO / MAT / MUS / PED / PHY / SPA
5	ACC / BIO / CAS / DES / HIS / IND / JAP / PED / PHY	ACX / BIX / CHX / GEX / GRX / HIX / JAP-L2 / PDX / PHX	BUS / CHE / ENG / ESOL-L3 / MDS / PHO / PTG / STA
<p>Students in:</p> <ul style="list-style-type: none"> - 6A - 6I1 must select an English or ESOL course and 4 other subjects* - 6A - 6B must select Form 6 AS subjects or A2 Mathematics* - 6C - 6I must select Form 6 AS subjects* - 6C1 - 6I1 must select NCEA Level 2 subjects* <p>* Each of these options runs for 7 periods per week</p> <p>Students may take:</p> <ul style="list-style-type: none"> - GRX or PDX but not both at AS Level - DEX or PYX but not both at AS Level - A maximum of 2 of DES, PTG and PHO at NCEA Level 2 - A maximum of 2 Commerce subjects 		<p>Students in:</p> <ul style="list-style-type: none"> Form 7A - 7H must select four subjects from Form 7 A2 or Form 6 AS subjects* Form 7C1 - 7H1 must select five NCEA Level 3 subjects* * Each of these options runs for 7 periods per week. <p>Students may take:</p> <ul style="list-style-type: none"> - A maximum of 2 of DES, PTG and PHO at NCEA Level 3 or a maximum of 1 of DE2 or PT2 or PH2 at A2 Level - A maximum of 2 Commerce subjects - At any level - Graphics or Product Design <u>but not both</u> - Either MAT or STA or both 	
Subject Codes		Subject Codes	
ACC/ACX/AC2 BIO/BIX/BI2 BUS/BUX/BU2 CAS CLS/CLX/CL2 CON DES/DEX/DE2 ECO/ECX/EC2 ENG/ENX/EN2	Accounting Biology Business Studies Career Studies Classics Trades and Construction Design Economics English	ESOL-L2/ESOL-L3 ESS FAX FRE/FRX/FR2 GEO/GEX/GE2 GRX/GR2 HIS/HIX/HI2 IND	English as Second Language Earth and Space Science Fine Arts French Geography Graphics History Industrial Design
JAP-L2/JAP-L3/AS JAP LAT-L2/LAT-L3 MAO-L2/MAO-L3 MAT-L3/A2 MAT MDS MUS/MUX/MU2 PDX/PD2 PED/PEX/PE2	Japanese Latin Te Reo Māori Mathematics Media Studies Music Product Design Physical Education	PHO/PYX/PY2 PHY/PHX/PH2 PTG/PT2 SPA/SPX/SP2 STA	Photography/Digital Art Photography Physics Painting Spanish Statistics

COURSE PLANNING

FORM 7 COURSE PLANNING - ADVICE FOR CURRENT FORM 6 STUDENTS

This will be your final year at secondary school. Your main academic objective is to ensure that you achieve the qualifications necessary, in the appropriate subjects, to gain entrance to tertiary courses or employment in your chosen field.

The sections on this handbook on University Entrance, tertiary course availability, and subject pre-requisites are essential reading. You should consult Student Services staff, your Dean, the Associate Headmaster (Academic), Dr Etty, or relevant university websites and liaison officers, if you need further information or advice.

The Departments and Faculties section of the School website has more detailed information on tertiary entrance requirements and pre-requisites.

This year in Form 6 you are doing either a predominantly Cambridge AS Level course or an NCEA Level 2 course. Accordingly, the information below is divided into two sections.

Students who are studying a Cambridge Pathway in 2022:

- The majority of students will continue on the Cambridge pathway, doing AS and A Level courses, however, a number of students will have underperformed at AS Level in Form 6. You must decide whether you are going to continue on the Cambridge Pathway or change to NCEA Level 3 and in cases of very poor performance you will not be able to continue on the Cambridge Pathway. You will need to gain a minimum of three D grades in your final AS examinations in order to do a Cambridge course in Form 7.
- If you have struggled to cope with AS study this year and have achieved low grades, you might be advised to change to an NCEA course. You need to see your Dean to discuss this. Note the following:
 - You must achieve a minimum D grade in AS in order to continue on to an A Level course in a subject (and some A Level subjects have higher entry criteria).
 - New Zealand universities rank applicants for admission purposes on the basis of their best six-credit points total (see pages 14-16). Students gaining D and E grades and/or Ungraded results will not achieve a competitive entry score.
 - NCEA Level 3 is a 'standalone' qualification. You do not have to complete NCEA Level 2 in order to study NCEA Level 3 subjects. However, unless you studied Level 2 English in 2022, you will need to achieve 80 Level 3 Certificate and University Entrance.
 - Your AS studies will have prepared you well to cope with NCEA Level 3 study. Remember, however, that E and D grades do generate 20 and 30 points respectively to the 120 points needed for general New Zealand University Entrance.

COURSE PLANNING

- If you decide to complete the Cambridge pathway you will need to carefully consider which subjects you choose and at what level. Note the following:
 - You must study four subjects and there are no compulsory subjects. In your 'free' option line you will attend structured tutorial periods in the Study Centre, which will support your study of AS/A Level subjects.
 - You will have the opportunity to combine learning in depth by taking A Level subjects, and learning in breadth by taking new AS courses.
 - You can continue with subjects you studied at AS Level to full A Level or you may select new Form 6 AS subjects. Multi-level study is an important feature of the Cambridge pathway.
 - The majority of students should choose a combination of AS and A Levels. Be careful not to over-commit yourself. Four A Level courses will present a challenging workload and should only be attempted by very able students.
 - If you have completed A Level Mathematics in Form 6, you have completed a two-year course of study and cannot redo A Level Mathematics in one year in Form 7. You can, however, select up to four additional A Level subjects in Form 7.
 - If you are achieving at D grade level in an AS subject, you will find A Level study difficult and you might consider choosing a new AS subject, rather than continuing to A Level.
 - Achieving good AS grades can produce more points than achieving average results in a full A Level (for example, a 'B' in AS Classics and a 'C' in AS Physical Education earns a total of 90 points, whereas a 'D' in A Level Mathematics earns 60 points).
 - In most cases, AS Level subjects provide a very good basis for further study at tertiary level. However, a number of degree courses (BE, BHSc, BPharm) require applicants to have full A Levels in one or more Sciences and/or Mathematics.
 - If you are intending to apply to overseas universities, you are strongly advised to complete at least three A-Levels.
- To ensure that students do not choose courses with too narrow a focus, these restrictions apply:
 - You may only choose two Commerce subjects.
 - AS or A Level Graphics or Product Design but not both.

Students who are studying an NCEA Pathway course in 2022:

- You must study five subjects in 2023.
- There are no compulsory subjects.
- You are strongly advised to complete a full five-subject NCEA Level 3 course:
 - To meet the general New Zealand University Entrance standard for tertiary study you must study at least three university-approved Level 3 subjects and gain 14 credits in each one. Note the following:
 - New Zealand Universities rank applicants for admission to all courses on the basis of their best 80 Level 3 credits over a maximum of five subjects.

COURSE PLANNING

- You may choose a maximum of two of Design, Painting or Photography.
- You may choose a maximum of two of Accounting, Business Studies or Economics.
- You may choose Mathematics (7MAT) and Statistics (7STA).
- It may be possible to change to a Cambridge course, however, this is usually not recommended because:
 - You will not be able to study any A Level subjects and so you will need to select Form 6 AS Level subjects.
 - You will struggle to meet the general New Zealand University Entrance standard for tertiary study and gain sufficient subject credits for admission to programmes with limited entry.

Note: If you do not meet the Literacy standard required for University Entrance in Form 6, you will have two options to resolve the problem next year:

1. You can repeat a Form 6 English or ESOL course.
2. You can gain the credits in designated NCEA Level 3 standards that count towards Literacy.
3. You can complete a special English short course, which will be held at Lunchtimes and after school leading to NCEA Level 2 internal assessment against appropriate Reading and Writing standards.

These options are correct at the time of printing, however, they are subject to change.



Auckland Grammar School

Senior Option Choices for 2023



FORM 6		FORM 7	
NCEA Level 2		NCEA Level 3	
Form 6 Advanced Subsidiary (AS)		A2	
1	ENG / ESOL-L2	ENX / ESOL-L2 / MA2	BIO / CON / DES / ECO / GEO / PHY
2	CHE / GEO / HIS / MAT / PED	CLX / ENX (6A & 6B) / GEX / HIX / MAX / PEX	CHE / CLS / ECO / ENG / ESOL-L3 / GEO / HIS / JAP / PED / STA
3	BIO / BUS / ESS / GEO / LAT / PED / PHO / PHY / PTG	ACX / BIX / BUX / CHX / ECX / FAX / GEX / LAT-L2 / MUX / PHX / PXX	CLS / ESS / GEO / HIS / IND / LAT / MAT
4	CHE / CLS / CON / DES / ECO / FRE / GEO / HIS / JAP / MAO / MUS / SPA	CHX / CLX / DEX / ECX / FRX / HIX / JAP-L2 / MAO-L2 / PEX / PHX / SPX	ACC / BIO / CAS / FRE / HIS / IND / JAP / MAO / MAT / MUS / PED / PHY / SPA
5	ACC / BIO / CAS / DES / HIS / IND / JAP / PED / PHY	ACX / BIX / CHX / GEX / GRX / HIX / JAP-L2 / PDX / PHX	BUS / CHE / ENG / ESOL-L3 / MDS / PHO / PTG / STA
<p>Students in:</p> <ul style="list-style-type: none"> - 6A - 6I1 must select an English or ESOL course and 4 other subjects* - 6A - 6B must select Form 6 AS subjects or A2 Mathematics* - 6C - 6I must select Form 6 AS subjects* - 6C1 - 6I1 must select NCEA Level 2 subjects* <p>* Each of these options runs for 7 periods per week</p> <p>Students may take:</p> <ul style="list-style-type: none"> - GRX or PDX but not both at AS Level - DEX or PXX but not both at AS Level <p>- A maximum of 2 of DES, PTG and PHO at NCEA Level 2</p> <p>- A maximum of 2 Commerce subjects</p>		<p>Students in:</p> <ul style="list-style-type: none"> Form 7A - 7H must select four subjects from Form 7 A2 or Form 6 AS subjects* Form 7C1 - 7H1 must select five NCEA Level 3 subjects* <p>* Each of these options runs for 7 periods per week.</p> <p>Students may take:</p> <ul style="list-style-type: none"> - A maximum of 2 of DES, PTG and PHO at NCEA Level 3 or a maximum of 1 of DE2 or PT2 or PH2 at A2 Level - A maximum of 2 Commerce subjects - At any level - Graphics or Product Design <u>but not both</u> - Either MAT or STA or both 	
Subject Codes		Subject Codes	
ACC/ACX/AC2 BIO/BIX/BI2 BUS/BUX/BU2 CAS CLS/CLX/CL2 CON DES/DEX/DE2 ECO/ECX/EC2 ENG/ENX/EN2	Accounting Biology Business Studies Career Studies Classics Trades and Construction Design Economics English	ESOL-L2/ESOL-L3 ESS FAX FRE/FRX/FR2 GEO/GEX/GE2 GRX/GR2 HIS/HIX/HI2 IND	English as Second Language Earth and Space Science Fine Arts French Geography Graphics History Industrial Design
JAP-L2/JAP-L3/AS JAP LAT-L2/LAT-L3 MAO-L2/MAO-L3 MAT-L3/A2 MAT MDS MUS/MUX/MU2 PDX/PD2 PED/PEX/PE2	Japanese Latin Te Reo Maori Mathematics Media Studies Music Product Design Physical Education	PHO/PYX/PY2 PHY/PHX/PH2 PTG/PT2 SPA/SPX/SP2 STA	Photography/Digital Art Photography Physics Painting Spanish Statistics

WHERE WILL MY SUBJECTS TAKE ME?

- **An Overview of Career Destinations with Tertiary Studies in the Subjects Offered at Auckland Grammar School**

**Compiled by the Student Services Department
with acknowledgement to the University of Canterbury**

ACCOUNTING: Accounting graduates can enter a variety of fields in business and administration. They may work for chartered accounting firms, government organisations, finance departments of business enterprises, sports and non-profit organisations, banks and financial institutions, or management consultancies. Because of its increasing emphasis on analysing and advising managers and other stakeholders on the financial state of an organisation, accountants are key people in any organisation and as such are well-placed to enter top management roles. To become a chartered accountant requires a four-year degree qualification at a university or polytechnic.

ART & DESIGN: Many Fine Arts and Design students pursue their creative talents full-time as artists in their own right or commercial designers working in applied areas such as graphic design, product design, digital and media design, and spatial, landscape or fashion design. The importance of good design principles is being increasingly recognized in industry today as producers move away from mass-market products to niche and value-added production and consumers become more demanding of good visual design in the items they buy.

ART HISTORY: Graduates in Art History are employed as curators in art galleries, museums and private collections, and a variety of other employment opportunities exist in media and publishing, design companies, libraries and information services, performing arts organisations, government cultural programmes, advertising and promotions. An Art History major would typically be completed as a Bachelor of Arts degree as opposed to Fine Arts, although the two specialties could make an effective combination.

BIOLOGY: For pure Biology there are wide-ranging careers in Crown Research Institutes, government ministries (Conservation, Environment, Agriculture & Forestry, Health) public and private-sector organisations involved in forensic science, fisheries, aquaculture, oceanography, entymology, soil science, veterinary and medical services. There is also an expanding field of work in biosecurity as the need to protect a country's plant and animal life against imported pests and diseases grows with globalisation.

Biology expands at university level into specialised programmes which combine skills and knowledge with other subjects, for example Pharmacology (Biology with Chemistry), Biotechnology and Food Technology (Biology with Physics and Chemistry) Medical Imaging (Biology with Physics), Bioinformatics (Biology with Mathematics) and Biomedical Engineering (Biology with Physics, Chemistry and Mathematics). It is also the major contributing science to specialised health courses such as Medicine, Veterinary Science, Physiotherapy, Sport & Exercise Science and Biomedical Science.

WHERE WILL MY SUBJECTS TAKE ME?

BUSINESS STUDIES: This can lead into a variety of business degree specialisations such as Management Studies, Marketing and Finance, and lead to successful careers in financial management, human resources management, information systems marketing and product management.

CAREER STUDIES: Note that is not a university-approved subject in terms of gaining University Entrance, rather it is a course designed to expose students to a wide range of employment and vocational skills and opportunities. Students will gain skills which are valued in the workplace and this course will assist students with the transition to the workplace and into vocational and industry-based tertiary pathways and careers.

CHEMISTRY: Graduates with a major in Chemistry find career opportunities in New Zealand's resource-based industries such as energy, forestry, dairy, petrochemicals, aluminium or biotechnology, working in applied technology, research and development, quality control, environmental control and monitoring, forensic science, sales and management. Good career opportunities also exist in the Crown Research Institutes, especially in the areas of materials technology and biotechnology.

Chemistry is also a fundamental part of specialised programmes which combine skills and knowledge with other subjects, for example Pharmacology, Biotechnology and Food Technology (where Chemistry combines with Biology and Physics). It also contributes to specialised health courses such as Medicine, Pharmacy, Veterinary Science and Biomedical Science. It is also a major contributing subject (with Physics and Calculus) in Engineering degree courses, particularly Chemical Engineering (Chemistry is also a required subject for entry into the Bachelor of Engineering course at the University of Canterbury).

CLASSICS & LATIN: A degree in Classics and/or Latin (typically a BA or MA) provides students with high-level analytical and critical reading and writing skills which are useful in any career where the ability to communicate effectively is valued. Graduates in Classical Studies and Latin are well-prepared for careers in fields such as law, politics, government, diplomacy, academia, teaching, journalism, publishing, the arts and media. Students whose intended career path is the Sciences or Commerce would also benefit from having Classics and Latin as part of their degree as they will not only enhance their communication skills, but will also give them a greater appreciation of different historical, social, political, artistic and literary contexts and familiarity with the basis of European languages and Western civilisation.

ECONOMICS: Economics can be studied as part of a Business/Commerce degree or an Arts degree, depending on the accent that the student wishes to put on his degree. Graduates in the more mathematically-oriented aspects of Economics find good career prospects in economic analysis and forecasting with organisations like Treasury, the Reserve Bank, Statistics NZ, commercial banks, stockbrokers, insurance companies, management consultancies and market research companies. Those with a more social policy-oriented interest tend to work in government policy ministries such as the Ministry of Economic Development, Ministry of Foreign Affairs & Trade, social policy research

WHERE WILL MY SUBJECTS TAKE ME?

organisations, city and regional planning, property, secondary or tertiary teaching, market research and export marketing.

ENGLISH: A degree in English (typically a BA or MA) can lead on to careers wherever strong communication skills are an asset. These include journalism, law, creative and critical writing, speechwriting, publishing, the media, recruitment and human resources management, social service agencies, education at all levels, library and information services, central government social policy ministries, local government and, at times, financial market trading.

GEOGRAPHY: Many Geography graduates (with either Arts or Science degrees depending on the complementary subjects) find work in resource and urban planning, environmental impact and conservation studies, Geographic Information Systems (GIS) work, market research (using demographic analysis skills), social policy work in government, teaching, and planning consultancies. Geographical skills are also an important component in other professional degree courses like Planning, Surveying and Geology.

HISTORY: History graduates have a distinctive mix of skills that involve critical analysis of information, awareness of social values and influences, interest in world affairs and politics, and the ability to research and write effectively and persuasively. They may work in diplomacy, broadcasting, journalism, politics, public relations, historical research and archiving, museum curating, heritage protection or teaching. History is also a popular and skill-enhancing subject for Law students to include in their degrees.

LANGUAGES: Knowledge of languages other than English is useful in the global economy, especially in areas such as the hospitality industry, travel and tourism, export marketing, importing and outsourcing of manufacturing, entertainment and fashion, international finance, foreign diplomacy, interpreting, and social work involving migrants and refugees. Information services and teaching also offer strong job prospects for specialists in many popular languages.

MATHEMATICS: Mathematicians work in a surprisingly wide range of professions and applied skill sectors. Their skills are employed directly in statistical analysis and research, actuarial work for financial markets and insurance, economic forecasting, operations research in industry, logistical planning and management, computer programming and scientific and medical research. Mathematics is also an essential ingredient for degree courses in Engineering (with Calculus) and Surveying (with Geometry/Trigonometry) and features with Biology and Physics in medically-based specialties such as Bioinformatics and Medical Imaging. Mathematicians are also in high demand at all levels of the teaching profession and in all areas of market analysis.

MUSIC: Students with musical interests may opt for performance degrees or a more general theory-based degree course as part of an Arts degree. Performance graduates may be orchestra musicians, conductors, composers, sound engineers or producers, music teachers, therapists or critics. Music

WHERE WILL MY SUBJECTS TAKE ME?

theory graduates may work in performing arts companies, film and media, entertainment and music promotion, tourism, multimedia or in music-based social programmes.

PHYSICAL EDUCATION: Graduates in this field often work in secondary teaching, but with the rise of more generic Sport & Fitness degrees and related courses and the rise of the outdoor recreation, professional sport and the “fitness industry”, work opportunities are now much broader. Increasingly also the adventure tourism and outdoor pursuits industry is employing young people with physical education skills and an interest in the outdoors. Physical Education also nurtures the skills needed for careers in areas like physiotherapy, nursing and paramedic work, although the importance of additional Science training for entry to these fields should not be underestimated.

PHYSICS: Physicists are employed for their ability to measure, analyse and predict the behaviour of complex physical systems. As such they are extremely valuable in many areas of scientific research and technological development including geological, astronomical and climate change research, electronics, energy exploration and research, telecommunications, aviation and space travel development, military and industrial research. Physics is an essential subject for entry into Engineering degree courses and figures highly in applied programmes such as Medical Imaging, Optometry and Optoelectronics.

TECHNOLOGY & GRAPHICS: The importance of good technological skills can never be underestimated and trained people with applied skills in all areas of trades and technology continue to be in high demand, as skill shortages remain even in times of recession. The skills imparted in school-based technology courses give a sound basis for further training in either traditional trades or applied technology for industry and information services. Graphics is an essential element of the design process and skilled technologists with Graphics and CAD/CAM skills are constantly in high demand in the engineering industry.

Further information about specific subjects may be found in the Departments and Faculties section of the School website: www.ags.school.nz

Auckland Grammar School
Private Bag 99930, Newmarket
Auckland 1149, New Zealand

ags.school.nz

Stay Connected. Follow Grammar.

