

Year 11 Subject **HANDBOOK**



PATHWAYS TO A PURPOSEFUL FUTURE

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Mission Statement

At Freshwater Christian College, we believe in the unique gifting of each individual within our community and exist to provide a safe and empowered learning environment that promotes caring relationships and authentic Christian Values.

Jeremiah 32:38-39

“And they shall be my people, and I will be their God. I will give them one heart and one way, that they may fear me forever, for their own good and the good of their children after them.”

2 Samuel 22:33

“This God is my strong refuge and has made my way blameless.”

About the Booklet

This booklet is designed to give students and their parents direction as they undergo the task of choosing a learning pathway for Year 11 and 12. The choices to be made are complex and challenging; however, armed with up-to-date and relevant information, an appropriate plan can be established. It is the heart of the College that every student is able to navigate the Senior Phase of Learning in such a way as to maximise their opportunities to grow, develop and prepare for the life that awaits them beyond Freshwater Christian College.

As with any major decision, knowledge is power. Whilst the information within these pages is a great place to begin, be sure to explore other sources of information along the way. For subject specific information, converse with teachers of those subjects; they will be more than happy to unpack the curriculum and assessment requirements with you. The Head of Secondary, Curriculum Coordinator, College Counsellor and VET Coordinator can provide advice of a more general nature and are happy to discuss the advantages of different academic programs. Remember also, to commit your decisions to the Lord in prayer. It is my sincere belief that God has a unique and special plan for each of his people and the sooner we discover what that plan is and align our vision with His, the sooner God-given potential is realised in the life of our students.

It may be the case that students are yet to discover what they believe they are to do in life and, in reality, this is not unusual and can be influenced by many factors: family, friends and the media – it is a difficult task to see into the future. It's important to remember that the pathways to career goals are becoming more numerous and varied all the time. Universities are decreasing the number of prerequisites that they require for entry into their courses. The Senior Phase of Learning is now more accommodating of change to academic programs. All this helps to reduce the pressure of choosing the “perfect” academic course from the outset. This is not to say that making the right choice initially is not important, but there is the option to change and adapt along the way. Students without clearly defined career goals should choose subjects that they are passionate about (or at least enjoy) or subjects with which they have experienced success previously. It is also useful to choose a variety of subjects from different disciplines that enable students to keep their options open.

Finally, we encourage students and parents to work together, along with the College to develop a plan for the exciting journey ahead.

Informed Choices

Year 10's have some important decisions to make as they face such crucial questions as:

- Will I continue on at school?
- What are the alternatives?
- If I stay on, what subjects will I study?
- How am I going with my career decisions?

Students should discuss these matters with their parents, their class teachers, and any friends who have experienced school life after Year 10. Some will take longer than others in making decisions in these areas but you must not step back from thinking about them. You will find the thought and effort that goes into these decisions most rewarding. This booklet will thus be important in the choosing of senior subjects.

Ability of Student and Past Achievement:

Choice of subjects in Senior will be determined to a considerable extent by the marks that the student has already achieved. For instance, if a student has struggled in Science during the Junior years, subjects such as Physics and Chemistry will be difficult in Year 11 and 12.

It is important in Senior schooling for students to focus on subjects in which they can then achieve to the maximum potential.

Student Goals:

- What are possible future employment options?
- What are the educational requirements for such employment?
- What subjects are needed as prerequisites for tertiary study? If there is any doubt on these, students should seek counselling to decide on the most appropriate option.

What choice is there?

Queensland Government policy requires that students after completing Year 10 follow one of the following options:

- i. Remain at school until turning 17 or finish Year 12;
- ii. Be engaged in other education or training at least to Certificate III level;
- iii. Be involved in employment of at least 25 hours per week.

The Do's of making a subject choice

- Do subjects you enjoy.
- Do subjects you are interested in.
- Do subjects in which you have already achieved good grades.
- Do subjects that will give you valuable life skills.
- Do subjects that can lead to the training choice you want.
- Do subjects that allow you to fulfil prerequisites for tertiary courses.

The Don'ts of making a subject choice

- Don't let your friends decide for you.
- Don't avoid a subject because of the teacher.
- Don't let your sibling's experience decide for you.
- Don't take a subject because you think it might be easy.
- Don't choose subjects because you think it might give you a better ATAR.

If you are not sure of your future career directions, it is advisable to do a range of subjects to keep your options open.

Subject Requirements

4 + 1 + 1

From 2019, students in the Senior Phase of Learning will have the opportunity to select subjects in up to 6 lines. To obtain an ATAR or QCE, students must study 4 General subjects + 1 General, Applied or Certificate. Freshwater is offering the opportunity to study an additional subject (+ 1 General, Applied, Certificate or University Early Course)

This must be made up of:

- English (Essential* or General)
- Mathematics (Essential*, General, Mathematics Methods)
 - + another 4 subjects comprising of:
 - General Subjects
 - Applied Subjects
 - Certificate (II, III, Traineeship/Apprenticeship)
 - University Early Entry (Year 12 Only)

All Year 11 and 12 students will also study Christian Studies, PGP and attend Chapel.

* = Essential English and Essential Mathematics are Applied Subjects

QCE & ATAR				Additional	
4				1	
General Subjects e.g. English, Mathematics, Music etc.	+	1	+	1	General OR Applied OR Certificate, University Early Entry etc.
		General			
		OR			
		Applied			
		OR			
		Certificate III or above			
as well as:		Christian Studies, PGP, Pastoral Care and Chapel			

For example

Student A studies:

General English, Mathematical Methods, Chemistry, Physics, Biology, Physical Education
 (All 6 General Subjects, ATAR & QCE ready)

Student B studies:

Essential English*, General Mathematics, Music, Visual Arts, Legal Studies, Cert III in Fitness
(4 General +1 Applied + 1 Cert III, ATAR & QCE ready)

Student C studies:

General English, Essential Mathematics*, Physical Education, Drama, Industrial Technology Skills, Cert III in Photography
(3 General + 2 Applied + 1 Certificate, No ATAR, QCE ready)

* = Essential English and Essential Mathematics are Applied Subjects

Senior Education Profile

Students in Queensland are issued with a Senior Education Profile (SEP) upon completion of senior studies. This profile may include a:

- Senior Statement
- Queensland Certificate of Education (QCE)
- Queensland Certificate of Individual Achievement (QCIA).

For more information about the SEP see www.qcaa.qld.edu.au/senior/certificates-qualifications/sep.

Senior Statement

The Senior Statement is a transcript of a student's learning account. It shows all QCE-contributing studies and the results achieved that may contribute to the award of a QCE.

If a student has a Senior Statement, then they have satisfied the completion requirements for Year 12 in Queensland.

Queensland Certificate of Education (QCE)

Students may be eligible for a Queensland Certificate of Education (QCE) at the end of their senior schooling. Students who do not meet the QCE requirements can continue to work towards the certificate post-secondary schooling. The QCAA awards a QCE in the following July or December, once a student becomes eligible. Learning accounts are closed after nine years; however, a student may apply to the QCAA to have the account reopened and all credit continued.

Queensland Certificate of Individual Achievement (QCIA)

The Queensland Certificate of Individual Achievement (QCIA) reports the learning achievements of eligible students who complete an individual learning program. At the end of the senior phase of learning, eligible students achieve a QCIA. These students have the option of continuing to work towards a QCE post-secondary schooling.

Senior Subjects

The QCAA develops five types of senior subject syllabuses — Applied, General, General (Extension), General (Senior External Examination) and Short Course. Results in Applied and General subjects contribute to the award of a QCE and may contribute to an Australian Tertiary Admission Rank (ATAR) calculation, although no more than one result in an Applied subject can be used in the calculation of a student's ATAR.

Typically, it is expected that most students will complete these courses across Years 11 and 12. All subjects build on the P–10 Australian Curriculum.

For more information about specific subjects, schools, students and parents/carers are encouraged to access the relevant senior syllabuses at www.qcaa.qld.edu.au/senior/senior-subjects and, for Senior External Examinations, www.qcaa.qld.edu.au/senior/see

Applied and Applied (Essential) syllabuses

Applied subjects are suited to students who are primarily interested in pathways beyond senior secondary schooling that lead to vocational education and training or work.

General syllabuses

General subjects are suited to students who are interested in pathways beyond senior secondary schooling that lead primarily to tertiary studies and to pathways for vocational education and training and work.

General (Extension) syllabuses

Extension subjects are extensions of the related General subjects and are studied either concurrently with, or after, Units 3 and 4 of the related General course.

Extension courses offer more challenge than the related General courses and build on the studies students have already undertaken in the subject.

General (Senior External Examination) syllabuses

Senior External Examinations are suited to:

- students in the final year of senior schooling (Year 12) who are unable to access particular subjects at their school
- students less than 17 years of age who are not enrolled in a Queensland secondary school, have not completed Year 12 and do not hold a Queensland Certificate of Education (QCE) or Senior Statement
- adult students at least 17 years of age who are not enrolled at a Queensland secondary school.

Short Course syllabuses

Short Courses are developed to meet a specific curriculum need and are suited to students who are interested in pathways beyond senior secondary schooling that lead to vocational education and training and establish a basis for further education and employment. They are informed by, and articulate closely with, the requirements of the Australian Core Skills Framework (ACSF). A grade of C in Short Courses aligns with the requirements for ACSF Level 3.

For more information about the ACSF see www.education.gov.au/australian-core-skills-framework.

Underpinning factors

All senior syllabuses are underpinned by:

- literacy — the set of knowledge and skills about language and texts essential for understanding and conveying content
- numeracy — the knowledge, skills, behaviours and dispositions that students need to use mathematics in a wide range of situations, to recognise and understand the role of mathematics in the world, and to develop the dispositions and capacities to use mathematical knowledge and skills purposefully.

Applied and Applied (Essential) syllabuses

In addition to literacy and numeracy, Applied syllabuses are underpinned by:

- applied learning — the acquisition and application of knowledge, understanding and skills in real-world or lifelike contexts
- community connections — the awareness and understanding of life beyond school through authentic, real-world interactions by connecting classroom experience with the world outside the classroom
- core skills for work — the set of knowledge, understanding and non-technical skills that underpin successful participation in work.

General syllabuses and Short Course syllabuses

In addition to literacy and numeracy, General syllabuses and Short Course syllabuses are underpinned by:

- 21st century skills — the attributes and skills students need to prepare them for higher education, work and engagement in a complex and rapidly changing world. These include critical thinking, creative thinking, communication, collaboration and teamwork, personal and social skills, and information & communication technologies (ICT) skills.

Vocational education and training (VET)

Students can access VET programs through the school if it:

- is a registered training organisation (RTO)
- has a third-party arrangement with an external provider who is an RTO
- offers opportunities for students to undertake school-based apprenticeships or traineeships.

Australian Tertiary Admission Rank (ATAR) eligibility

The calculation of an Australian Tertiary Admission Rank (ATAR) will be based on a student's:

- best five General subject results or
- best results in a combination of four General subject results plus an Applied subject result or a Certificate III or higher VET qualification.

The Queensland Tertiary Admissions Centre (QTAC) has responsibility for ATAR calculations.

English requirement

Eligibility for an ATAR will require satisfactory completion of a QCAA English subject.

Satisfactory completion will require students to attain a result that is equivalent to a Sound Level of Achievement in one of five subjects — English, Essential English, Literature, English and Literature Extension or English as an Additional Language.

While students must meet this standard to be eligible to receive an ATAR, it is not mandatory for a student's English result to be included in the calculation of their ATAR.

Applied and Applied (Essential) syllabuses

Course overview

Applied and Applied (Essential) syllabuses are developmental four-unit courses of study.

Units 1 and 2 of the courses are designed to allow students to begin their engagement with the course content, i.e. the knowledge, understanding and skills of the subject. Course content, learning experiences and assessment increase in complexity across the four units as students develop greater independence as learners.

Units 3 and 4 consolidate student learning. Results from assessment in Applied subjects contribute to the award of a QCE and results from Units 3 and 4 may contribute as a single input to ATAR calculation.

A course of study for Applied syllabuses includes core topics and elective areas for study.

Assessment

Applied syllabuses use *four* summative internal assessments from Units 3 and 4 to determine a student's exit result.

Schools should develop at least *two* but no more than *four* internal assessments for Units 1 and 2 and these assessments should provide students with opportunities to become familiar with the summative internal assessment techniques to be used for Units 3 and 4.

Applied syllabuses do not use external assessment.

Instrument-specific standards matrixes

For each assessment instrument, schools develop an instrument-specific standards matrix by selecting the syllabus standards descriptors relevant to the task and the dimension/s being assessed. The matrix is shared with students and used as a tool for making judgments about the quality of students' responses to the instrument. Schools develop assessments to allow students to demonstrate the range of standards.

Essential English and Essential Mathematics — Common internal assessment

For the two Applied (Essential) syllabuses, students complete a total of *four* summative internal assessments in Units 3 and 4 that count toward their overall subject result. Schools develop *three* of the summative internal assessments for each of these subjects and the other summative assessment is a common internal assessment (CIA) developed by the QCAA.

The CIA for Essential English and Essential Mathematics is based on the learning described in Unit 3 of the respective syllabus. The CIA is:

- developed by the QCAA
- common to all schools
- delivered to schools by the QCAA
- administered flexibly in Unit 3

- administered under supervised conditions
- marked by the school according to a common marking scheme developed by the QCAA.

The CIA is not privileged over the other summative internal assessment.

Summative internal assessment — instrument-specific standards

The Essential English and Essential Mathematics syllabuses provide instrument-specific standards for the three summative internal assessments in Units 3 and 4.

The instrument-specific standards describe the characteristics evident in student responses and align with the identified assessment objectives. Assessment objectives are drawn from the unit objectives and are contextualised for the requirements of the assessment instrument.

General syllabuses

Course overview

General syllabuses are developmental four-unit courses of study.

Units 1 and 2 provide foundational learning, allowing students to experience all syllabus objectives and begin engaging with the course subject matter. It is intended that Units 1 and 2 are studied as a pair. Assessment in Units 1 and 2 provides students with feedback on their progress in a course of study and contributes to the award of a QCE.

Students should complete Units 1 and 2 before starting Units 3 and 4.

Units 3 and 4 consolidate student learning. Assessment in Units 3 and 4 is summative and student results contribute to the award of a QCE and to ATAR calculations.

Assessment

Units 1 and 2 assessments

Schools decide the sequence, scope and scale of assessments for Units 1 and 2. These assessments should reflect the local context. Teachers determine the assessment program, tasks and marking guides that are used to assess student performance for Units 1 and 2.

Units 1 and 2 assessment outcomes provide feedback to students on their progress in the course of study. Schools should develop at least *two* but no more than *four* assessments for Units 1 and 2. At least *one* assessment must be completed for *each* unit.

Schools report satisfactory completion of Units 1 and 2 to the QCAA, and may choose to report levels of achievement to students and parents/carers using grades, descriptive statements or other indicators.

Units 3 and 4 assessments

Students complete a total of *four* summative assessments — three internal and one external — that count towards the overall subject result in each General subject.

Schools develop *three* internal assessments for each senior subject to reflect the requirements described in Units 3 and 4 of each General syllabus.

The three summative internal assessments need to be endorsed by the QCAA before they are used in schools. Students' results in these assessments are externally confirmed by QCAA assessors. These confirmed results from internal assessment are combined with a single result from an external assessment, which is developed and marked by the QCAA. The external assessment result for a subject contributes to a determined percentage of a students' overall subject result. For most subjects this is 25%; for Mathematics and Science subjects it is 50%.

Instrument-specific marking guides

Each syllabus provides instrument-specific marking guides (ISMGs) for summative internal assessments.

The ISMGs describe the characteristics evident in student responses and align with the identified assessment objectives. Assessment objectives are drawn from the unit objectives and are contextualised for the requirements of the assessment instrument.

Schools cannot change or modify an ISMG for use with summative internal assessment.

As part of quality teaching and learning, schools should discuss ISMGs with students to help them understand the requirements of an assessment task.

External assessment

External assessment is summative and adds valuable evidence of achievement to a student's profile. External assessment is:

- common to all schools
- administered under the same conditions at the same time and on the same day
- developed and marked by the QCAA according to a commonly applied marking scheme.

The external assessment contributes a determined percentage (see specific subject guides — assessment) to the student's overall subject result and is not privileged over summative internal assessment.

General (Extension) syllabuses

Course overview

Extension subjects are extensions of the related General subjects and include external assessment. Extension subjects are studied either concurrently with, or after, Units 3 and 4 of the General course of study.

Extension syllabuses are courses of study that consist of two units (Units 3 and 4).

Subject matter, learning experiences and assessment increase in complexity across the two units as students develop greater independence as learners.

The results from Units 3 and 4 contribute to the award of a QCE and to ATAR calculations.

Note: In the case of Music Extension, this subject has three syllabuses, one for each of the specialisations — Composition, Musicology and Performance.

Assessment

Units 3 and 4 assessments

Students complete a total of *four* summative assessments — three internal and one external — that count towards the overall subject result in each General (Extension) subject.

Schools develop *three* internal assessments for each senior subject to reflect the requirements described in Units 3 and 4 of each General syllabus.

The three summative internal assessments need to be endorsed by the QCAA before they are used in schools. Students' results in these assessments are externally confirmed by QCAA

assessors. These confirmed results from internal assessment are combined with a single result from an external assessment, which is developed and marked by the QCAA. The external assessment result for a subject contributes to a determined percentage of a students' overall subject result. For most subjects this is 25%; for Mathematics and Science subjects it is 50%.

General (Senior External Examination) syllabuses

Course overview

Senior External Examinations (SEEs) consist of individual subject examinations in a range of language and non-language subjects, conducted across Queensland in October and November each year.

The syllabuses are developmental courses of study consisting of four units. Each syllabus unit has been developed with a notional teaching, learning and assessment time of 55 hours.

A SEE syllabus sets out the aims, objectives, learning experiences and assessment requirements for each examination subject.

Students/candidates may enrol in a SEE subject:

- to gain credit towards a QCE
- to meet tertiary entrance or employment requirements
- for personal interest.

Senior External Examination subjects are for Year 12 students, candidates under 17 years who are not at school, and adults.

Students

School

These are students who are:

- in the **final year of senior secondary schooling** (Year 12)
- enrolled in a Queensland secondary school, and
- unable to study particular subjects at their school because the subjects are not taught or there is a timetable clash.

Non-school

These are candidates who:

- are **less than 17 years** of age
- are Queensland residents
- are not enrolled in a Queensland secondary school
- have not completed Year 12, and
- do not hold a Queensland Certificate of Education (QCE) or Senior Statement.

Adults

These are candidates who:

- will be **at least 17 years** by the end of the year in which they propose to take the examination
- are Queensland residents
- are not enrolled in a Queensland secondary school.

Eligibility — school students

Eligible Year 12 students can sit a maximum of *two* SEE subject examinations in their Year 12 year of schooling.

Year 12 students wishing to register for SEEs must do so through their secondary school. The school principal will determine students' eligibility based on information in the QCAA memorandum.

Tuition

School students must obtain appropriate tuition in examination subjects. They must discuss tuition arrangements with school staff at the start of the school year. Tuition may be available from their secondary school, an after-hours language school, a teaching centre or a tutor. A registering school that provides tuition to a student must monitor the student's progress. It is the school's responsibility to register their students for SEE examinations. **Applications from language schools or tutors will not be accepted.**

Eligibility — candidates less than 17 years

Candidates less than 17 years of age wishing to register for SEEs:

- must reside in Queensland
- must be less than 17 years by the end of the year in which they propose to take the examination
- must not be enrolled currently in a Queensland secondary school
- must apply to establish their eligibility.

If eligible, candidates may register for a maximum of *three* SEE subjects in one calendar year.

Tuition

Although these candidates may sit examinations without tuition, QCAA recommends that they obtain tuition to maximise their chances of success.

Non-school candidates can study at an examination teaching centre, with a private tutor or independently.

Eligibility — adult candidates 17 years and older

Adult candidates wishing to register for SEEs:

- must reside in Queensland
- must be 17 years or older by the end of the year in which they propose to take the examination
- must not be enrolled currently in a Queensland secondary school
- do not have to satisfy any other eligibility requirements.

Adult candidates may register for as many SEE subjects as they wish.

Tuition

Although adult candidates may sit examinations without tuition, QCAA recommends that they obtain tuition to maximise their chances of success.

Adult candidates can study at an examination teaching centre, with a private tutor or independently.

Assessment

Assessment for these subjects is at the end of the course and is an external examination.

These examinations are conducted across Queensland in October and November of each year. Important dates and the examination timetable are published in the Senior Education Profile (SEP) calendar, available at www.qcaa.qld.edu.au/senior/sep-calendar.

SEE results are based solely on students'/candidates' demonstrated achievement in the end-of-year examinations. Work undertaken during the year (such as class tests or assignments) is not assessed.

Senior External Examination results may contribute credit to the award of a QCE and may contribute to ATAR calculations.

Note: Senior External Examinations (SEEs) are different from the external assessment component in General subjects in the new QCE system.

For more information about Senior External Examinations, see www.qcaa.qld.edu.au/senior/see.

Short Course syllabuses

Course overview

Short Courses are one-unit courses of study. A Short Course syllabus includes topics and subtopics. Results contribute to the award of a QCE. Results do not contribute to ATAR calculations.

Short Courses are available in:

- Aboriginal & Torres Strait Islander Languages
- Career Education
- Literacy
- Numeracy.

Assessment

Short Course syllabuses use two summative school-developed assessments to determine a student's exit result. Schools develop these assessments based on the learning described in the syllabus. Short Courses do not use external assessment.

Short Course syllabuses provide instrument-specific standards for the two summative internal assessments. The instrument-specific standards describe the characteristics evident in student responses and align with the identified assessment objectives. Assessment objectives are drawn from the topic objectives and are contextualised for the requirements of the assessment instrument.

Senior Subject on Offer at Freshwater Christian College

Mathematics

General

- General Mathematics
- Mathematical Methods
- Specialist Mathematics

Applied

- Essential Mathematics

English

General

- English

Applied

- Essential English

Humanities

General

- Accounting*
- Business
- Economics*
- Legal Studies
- Modern History

Distance Education

A number of General & Applied subjects are on offer via Distance Education

Technologies

General

- Design
- Digital Solutions*

Applied

- Industrial Technology Skills

Health and Physical Education

General

Physical Education

Science

General

- Biology
- Chemistry
- Physics

Languages

General

- Japanese*

Senior External Examination only

- Arabic
- Chinese — full form characters
- Indonesian
- Korean
- Latin
- Modern Greek
- Polish
- Punjabi
- Russian
- Vietnamese

The Arts

General

- Drama
- Music
- Visual Art

Vocational Education ^

Based on Premises

- Certificate III In Fitness
- Certificate III_In Early Childhood Education and Care
- Certificate II in Aircraft Line Maintenance
- Certificate III in Visual Arts - Digital Imagery/Photography

TAFE In Schools

* These subjects are dependant upon student numbers and staff availability. Should there be a low intake, students may elect to study them via Distance Education

^ Note, these courses are not available to international students who are studying on Visa Subclass 500

General Mathematics

General senior subject

General

General Mathematics' major domains are Number and algebra, Measurement and geometry, Statistics, and Networks and matrices, building on the content of the P–10 Australian Curriculum.

General Mathematics is designed for students who want to extend their mathematical skills beyond Year 10 but whose future studies or employment pathways do not require calculus.

Students build on and develop key mathematical ideas, including rates and percentages, concepts from financial mathematics, linear and non-linear expressions, sequences, the use of matrices and networks to model and solve authentic problems, the use of trigonometry to find solutions to practical problems, and the exploration of real-world phenomena in statistics.

Students engage in a practical approach that equips learners for their needs as future citizens. They learn to ask appropriate questions, map out pathways, reason about complex solutions, set up models and communicate in different forms. They experience the relevance of mathematics to their daily lives, communities and cultural backgrounds. They develop the ability to understand, analyse and take action regarding social issues in their world.

Pathways

A course of study in General Mathematics can establish a basis for further education and employment in the fields of business, commerce, education, finance, IT, social science and the arts.

Objectives

By the conclusion of the course of study, students will:

- select, recall and use facts, rules, definitions and procedures drawn from Number and algebra, Measurement and geometry, Statistics, and Networks and matrices
- comprehend mathematical concepts and techniques drawn from Number and algebra, Measurement and geometry, Statistics, and Networks and matrices
- communicate using mathematical, statistical and everyday language and conventions
- evaluate the reasonableness of solutions
- justify procedures and decisions by explaining mathematical reasoning
- solve problems by applying mathematical concepts and techniques drawn from Number and algebra, Measurement and geometry, Statistics, and Networks and matrices.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Money, measurement and relations <ul style="list-style-type: none"> • Consumer arithmetic • Shape and measurement • Linear equations and their graphs 	Applied trigonometry, algebra, matrices and univariate data <ul style="list-style-type: none"> • Applications of trigonometry • Algebra and matrices • Univariate data analysis 	Bivariate data, sequences and change, and Earth geometry <ul style="list-style-type: none"> • Bivariate data analysis • Time series analysis • Growth and decay in sequences • Earth geometry and time zones 	Investing and networking <ul style="list-style-type: none"> • Loans, investments and annuities • Graphs and networks • Networks and decision mathematics

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Problem-solving and modelling task	20%	Summative internal assessment 3 (IA3): • Examination	15%
Summative internal assessment 2 (IA2): • Examination	15%		
Summative external assessment (EA): 50% • Examination			

Mathematical Methods

General senior subject

General

Mathematical Methods' major domains are Algebra, Functions, relations and their graphs, Calculus and Statistics.

Mathematical Methods enables students to see the connections between mathematics and other areas of the curriculum and apply their mathematical skills to real-world problems, becoming critical thinkers, innovators and problem-solvers.

Students learn topics that are developed systematically, with increasing levels of sophistication, complexity and connection, and build on algebra, functions and their graphs, and probability from the P-10 Australian Curriculum. Calculus is essential for developing an understanding of the physical world. The domain Statistics is used to describe and analyse phenomena involving uncertainty and variation. Both are the basis for developing effective models of the world and solving complex and abstract mathematical problems.

Students develop the ability to translate written, numerical, algebraic, symbolic and graphical information from one representation to another. They make complex use of factual knowledge to successfully formulate, represent and solve mathematical problems.

Pathways

A course of study in Mathematical Methods can establish a basis for further education and employment in the fields of natural and physical sciences (especially physics and chemistry), mathematics and science education, medical and health sciences (including human biology, biomedical science, nanoscience and forensics), engineering (including chemical, civil, electrical and mechanical engineering, avionics, communications and mining), computer science (including electronics and software design), psychology and business.

Objectives

By the conclusion of the course of study, students will:

- select, recall and use facts, rules, definitions and procedures drawn from Algebra, Functions, relations and their graphs, Calculus and Statistics
- comprehend mathematical concepts and techniques drawn from Algebra, Functions, relations and their graphs, Calculus and Statistics
- communicate using mathematical, statistical and everyday language and conventions
- evaluate the reasonableness of solutions
- justify procedures and decisions by explaining mathematical reasoning
- solve problems by applying mathematical concepts and techniques drawn from Algebra, Functions, relations and their graphs, Calculus and Statistics.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Algebra, statistics and functions <ul style="list-style-type: none"> • Arithmetic and geometric sequences and series 1 • Functions and graphs • Counting and probability • Exponential functions 1 • Arithmetic and geometric sequences 	Calculus and further functions <ul style="list-style-type: none"> • Exponential functions 2 • The logarithmic function 1 • Trigonometric functions 1 • Introduction to differential calculus • Further differentiation and applications 1 • Discrete random variables 1 	Further calculus <ul style="list-style-type: none"> • The logarithmic function 2 • Further differentiation and applications 2 • Integrals 	Further functions and statistics <ul style="list-style-type: none"> • Further differentiation and applications 3 • Trigonometric functions 2 • Discrete random variables 2 • Continuous random variables and the normal distribution • Interval estimates for proportions

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Problem-solving and modelling task	20%	Summative internal assessment 3 (IA3): • Examination	15%
Summative internal assessment 2 (IA2): • Examination	15%		
Summative external assessment (EA): 50% • Examination			

Specialist Mathematics

General senior subject

General

Specialist Mathematics' major domains are Vectors and matrices, Real and complex numbers, Trigonometry, Statistics and Calculus.

Specialist Mathematics is designed for students who develop confidence in their mathematical knowledge and ability, and gain a positive view of themselves as mathematics learners. They will gain an appreciation of the true nature of mathematics, its beauty and its power.

Students learn topics that are developed systematically, with increasing levels of sophistication, complexity and connection, building on functions, calculus, statistics from Mathematical Methods, while vectors, complex numbers and matrices are introduced. Functions and calculus are essential for creating models of the physical world. Statistics are used to describe and analyse phenomena involving probability, uncertainty and variation. Matrices, complex numbers and vectors are essential tools for explaining abstract or complex relationships that occur in scientific and technological endeavours.

Student learning experiences range from practising essential mathematical routines to developing procedural fluency, through to investigating scenarios, modelling the real world, solving problems and explaining reasoning.

Pathways

A course of study in Specialist Mathematics can establish a basis for further education and employment in the fields of science, all branches of mathematics and statistics, computer science, medicine, engineering, finance and economics.

Objectives

By the conclusion of the course of study, students will:

- select, recall and use facts, rules, definitions and procedures drawn from Vectors and matrices, Real and complex numbers, Trigonometry, Statistics and Calculus
- comprehend mathematical concepts and techniques drawn from Vectors and matrices, Real and complex numbers, Trigonometry, Statistics and Calculus
- communicate using mathematical, statistical and everyday language and conventions
- evaluate the reasonableness of solutions
- justify procedures and decisions, and prove propositions by explaining mathematical reasoning
- solve problems by applying mathematical concepts and techniques drawn from Vectors and matrices, Real and complex numbers, Trigonometry, Statistics and Calculus.

Structure

Specialist Mathematics is to be undertaken in conjunction with, or on completion of, Mathematical Methods.

Unit 1	Unit 2	Unit 3	Unit 4
Combinatorics, vectors and proof <ul style="list-style-type: none"> • Combinatorics • Vectors in the plane • Introduction to proof 	Complex numbers, trigonometry, functions and matrices <ul style="list-style-type: none"> • Complex numbers 1 • Trigonometry and functions • Matrices 	Mathematical induction, and further vectors, matrices and complex numbers <ul style="list-style-type: none"> • Proof by mathematical induction • Vectors and matrices • Complex numbers 2 	Further statistical and calculus inference <ul style="list-style-type: none"> • Integration and applications of integration • Rates of change and differential equations • Statistical inference

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Problem-solving and modelling task	20%	Summative internal assessment 3 (IA3): • Examination	15%
Summative internal assessment 2 (IA2): • Examination	15%		
Summative external assessment (EA): 50% • Examination			

Essential Mathematics

Applied senior subject

Applied

Essential Mathematics' major domains are Number, Data, Location and time, Measurement and Finance.

Essential Mathematics benefits students because they develop skills that go beyond the traditional ideas of numeracy.

Students develop their conceptual understanding when they undertake tasks that require them to connect mathematical concepts, operations and relations. They learn to recognise definitions, rules and facts from everyday mathematics and data, and to calculate using appropriate mathematical processes.

Students interpret and use mathematics to make informed predictions and decisions about personal and financial priorities. This is achieved through an emphasis on estimation, problem-solving and reasoning, which develops students into thinking citizens.

Pathways

A course of study in Essential Mathematics can establish a basis for further education and employment in the fields of trade, industry, business and community services. Students learn within a practical context related to general employment and

successful participation in society, drawing on the mathematics used by various professional and industry groups.

Objectives

By the conclusion of the course of study, students will:

- select, recall and use facts, rules, definitions and procedures drawn from Number, Data, Location and time, Measurement and Finance
- comprehend mathematical concepts and techniques drawn from Number, Data, Location and time, Measurement and Finance
- communicate using mathematical, statistical and everyday language and conventions
- evaluate the reasonableness of solutions
- justify procedures and decisions by explaining mathematical reasoning
- solve problems by applying mathematical concepts and techniques drawn from Number, Data, Location and time, Measurement and Finance.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Number, data and graphs <ul style="list-style-type: none"> • Fundamental topic: Calculations • Number • Representing data • Graphs 	Money, travel and data <ul style="list-style-type: none"> • Fundamental topic: Calculations • Managing money • Time and motion • Data collection 	Measurement, scales and data <ul style="list-style-type: none"> • Fundamental topic: Calculations • Measurement • Scales, plans and models • Summarising and comparing data 	Graphs, chance and loans <ul style="list-style-type: none"> • Fundamental topic: Calculations • Bivariate graphs • Probability and relative frequencies • Loans and compound interest

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. Schools develop three summative internal assessments and the common internal assessment (CIA) is developed by the QCAA.

Summative assessments

Unit 3	Unit 4
Summative internal assessment 1 (IA1): <ul style="list-style-type: none"> • Problem-solving and modelling task 	Summative internal assessment 3 (IA3): <ul style="list-style-type: none"> • Problem-solving and modelling task
Summative internal assessment 2 (IA2): <ul style="list-style-type: none"> • Common internal assessment (CIA) 	Summative internal assessment (IA4): <ul style="list-style-type: none"> • Examination

English focuses on the study of both literary texts and non-literary texts, developing students as independent, innovative and creative learners and thinkers who appreciate the aesthetic use of language, analyse perspectives and evidence, and challenge ideas and interpretations through the analysis and creation of varied texts.

Students are offered opportunities to interpret and create texts for personal, cultural, social and aesthetic purposes. They learn how language varies according to context, purpose and audience, content, modes and mediums, and how to use it appropriately and effectively for a variety of purposes. Students have opportunities to engage with diverse texts to help them develop a sense of themselves, their world and their place in it.

Students communicate effectively in Standard Australian English for the purposes of responding to and creating texts. They make choices about generic structures, language, textual features and technologies for participating actively in literary analysis and the creation of texts in a range of modes, mediums and forms, for a variety of purposes and audiences. They explore how literary and non-literary texts shape perceptions of the world, and consider ways in which texts may reflect or challenge social and cultural ways of thinking and influence audiences.

Pathways

A course of study in English promotes open-mindedness, imagination, critical awareness and intellectual flexibility — skills that prepare students for local and global citizenship, and for lifelong learning across a wide range of contexts.

Objectives

By the conclusion of the course of study, students will:

- use patterns and conventions of genres to achieve particular purposes in cultural contexts and social situations
- establish and maintain roles of the writer/speaker/signer/designer and relationships with audiences
- create and analyse perspectives and representations of concepts, identities, times and places
- make use of and analyse the ways cultural assumptions, attitudes, values and beliefs underpin texts and invite audiences to take up positions
- use aesthetic features and stylistic devices to achieve purposes and analyse their effects in texts
- select and synthesise subject matter to support perspectives
- organise and sequence subject matter to achieve particular purposes
- use cohesive devices to emphasise ideas and connect parts of texts
- make language choices for particular purposes and contexts
- use grammar and language structures for particular purposes
- use mode-appropriate features to achieve particular purposes.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Perspectives and texts <ul style="list-style-type: none"> Examining and creating perspectives in texts Responding to a variety of non-literary and literary texts Creating responses for public audiences and persuasive texts 	Texts and culture <ul style="list-style-type: none"> Examining and shaping representations of culture in texts Responding to literary and non-literary texts, including a focus on Australian texts Creating imaginative and analytical texts 	Textual connections <ul style="list-style-type: none"> Exploring connections between texts Examining different perspectives of the same issue in texts and shaping own perspectives Creating responses for public audiences and persuasive texts 	Close study of literary texts <ul style="list-style-type: none"> Engaging with literary texts from diverse times and places Responding to literary texts creatively and critically Creating imaginative and analytical texts

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Extended response — written response for a public audience	25%	Summative internal assessment 3 (IA3): • Extended response — imaginative written response	25%
Summative internal assessment 2 (IA2): • Extended response — persuasive spoken response	25%	Summative external assessment (EA): • Examination — analytical written response	25%

Essential English

Applied senior subject

Applied

Essential English develops and refines students' understanding of language, literature and literacy to enable them to interact confidently and effectively with others in everyday, community and social contexts. Students recognise language and texts as relevant in their lives now and in the future and learn to understand, accept or challenge the values and attitudes in these texts.

Students engage with language and texts to foster skills to communicate confidently and effectively in Standard Australian English in a variety of contemporary contexts and social situations, including everyday, social, community, further education and work-related contexts. They choose generic structures, language, language features and technologies to best convey meaning. They develop skills to read for meaning and purpose, and to use, critique and appreciate a range of contemporary literary and non-literary texts.

Students use language effectively to produce texts for a variety of purposes and audiences and engage creative and imaginative thinking to explore their own world and the worlds of others. They actively and critically interact with a range of texts, developing an awareness of how the language they engage with positions them and others.

Pathways

A course of study in Essential English promotes open-mindedness, imagination, critical awareness and intellectual flexibility — skills that prepare students for local and global citizenship, and for lifelong learning across a wide range of contexts.

Objectives

By the conclusion of the course of study, students will:

- use patterns and conventions of genres to achieve particular purposes in cultural contexts and social situations
- use appropriate roles and relationships with audiences
- construct and explain representations of identities, places, events and concepts
- make use of and explain the ways cultural assumptions, attitudes, values and beliefs underpin texts and influence meaning
- explain how language features and text structures shape meaning and invite particular responses
- select and use subject matter to support perspectives
- sequence subject matter and use mode-appropriate cohesive devices to construct coherent texts
- make mode-appropriate language choices according to register informed by purpose, audience and context
- use language features to achieve particular purposes across modes.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Language that works <ul style="list-style-type: none"> • Responding to a variety of texts used in and developed for a work context • Creating multimodal and written texts 	Texts and human experiences <ul style="list-style-type: none"> • Responding to reflective and nonfiction texts that explore human experiences • Creating spoken and written texts 	Language that influences <ul style="list-style-type: none"> • Creating and shaping perspectives on community, local and global issues in texts • Responding to texts that seek to influence audiences 	Representations and popular culture texts <ul style="list-style-type: none"> • Responding to popular culture texts • Creating representations of Australian identifies, places, events and concepts

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. Schools develop three summative internal assessments and the common internal assessment (CIA) is developed by the QCAA.

Summative assessments

Unit 3	Unit 4
Summative internal assessment 1 (IA1): <ul style="list-style-type: none"> • Extended response — spoken/signed response 	Summative internal assessment 3 (IA3): <ul style="list-style-type: none"> • Extended response — Multimodal response
Summative internal assessment 2 (IA2): <ul style="list-style-type: none"> • Common internal assessment (CIA) 	Summative internal assessment (IA4): <ul style="list-style-type: none"> • Extended response — Written response

Accounting

General senior subject

General

Accounting provides opportunities for students to develop an understanding of the essential role of organising, analysing and communicating financial data and information in the successful performance of any organisation.

Students learn fundamental accounting concepts in order to understand accrual accounting and managerial and accounting controls, preparing internal financial reports, ratio analysis and interpretation of internal and external financial reports. They synthesise financial data and other information, evaluate accounting practices, solve authentic accounting problems, make decisions and communicate recommendations.

Students develop numerical, literacy, technical, financial, critical thinking, decision-making and problem-solving skills. They develop an understanding of the ethical attitudes and values required to participate effectively and responsibly in a changing business environment.

Pathways

A course of study in Accounting can establish a basis for further education and

employment in the fields of accounting, business, management, banking, finance, law, economics and commerce.

Objectives

By the conclusion of the course of study, students will:

- describe accounting concepts and principles
- explain accounting concepts, principles and processes
- apply accounting principles and processes
- analyse and interpret financial data and information to draw conclusions
- evaluate accounting practices to make decisions and propose recommendations
- synthesise and solve accounting problems
- create responses that communicate meaning to suit purpose and audience.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Real world accounting <ul style="list-style-type: none"> Accounting for a service business — cash, accounts receivable, accounts payable and no GST End-of-month reporting for a service business 	Management effectiveness <ul style="list-style-type: none"> Accounting for a trading GST business End-of-year reporting for a trading GST business 	Monitoring a business <ul style="list-style-type: none"> Managing resources for a trading GST business — non-current assets Fully classified financial statement reporting for a trading GST business 	Accounting — the big picture <ul style="list-style-type: none"> Cash management Complete accounting process for a trading GST business Performance analysis of a listed public company

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Examination — combination response	25%	Summative internal assessment 3 (IA3): • Project — cash management	25%
Summative internal assessment 2 (IA2): • Examination — short response	25%	Summative external assessment (EA): • Examination — short response	25%

Business

General senior subject

General

Business provides opportunities for students to develop business knowledge and skills to contribute meaningfully to society, the workforce and the marketplace and prepares them as potential employees, employers, leaders, managers and entrepreneurs.

Students investigate the business life cycle, develop skills in examining business data and information and learn business concepts, theories, processes and strategies relevant to leadership, management and entrepreneurship. They investigate the influence of, and implications for, strategic development in the functional areas of finance, human resources, marketing and operations.

Students use a variety of technological, communication and analytical tools to comprehend, analyse, interpret and synthesise business data and information. They engage with the dynamic business world (in both national and global contexts), the changing workforce and emerging digital technologies.

Pathways

A course of study in Business can establish a basis for further education and employment in the fields of business management, business development, entrepreneurship, business analytics, economics, business law, accounting and finance, international business, marketing, human resources management and business information systems.

Objectives

By the conclusion of the course of study, students will:

- describe business environments and situations
- explain business concepts, strategies and processes
- select and analyse business data and information
- interpret business relationships, patterns and trends to draw conclusions
- evaluate business practices and strategies to make decisions and propose recommendations
- create responses that communicate meaning to suit purpose and audience.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Business creation <ul style="list-style-type: none"> • Fundamentals of business • Creation of business ideas 	Business growth <ul style="list-style-type: none"> • Establishment of a business • Entering markets 	Business diversification <ul style="list-style-type: none"> • Competitive markets • Strategic development 	Business evolution <ul style="list-style-type: none"> • Repositioning a business • Transformation of a business

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Examination — combination response	25%	Summative internal assessment 3 (IA3): • Extended response — feasibility report	25%
Summative internal assessment 2 (IA2): • Investigation — business report	25%	Summative external assessment (EA): • Examination — combination response	25%

Economics

General senior subject

General

Economics encourages students to think deeply about the global challenges facing individuals, business and government, including how to allocate and distribute scarce resources to maximise well-being.

Students develop knowledge and cognitive skills to comprehend, apply analytical processes and use economic knowledge. They examine data and information to determine validity, and consider economic policies from various perspectives. They use economic models and analytical tools to investigate and evaluate outcomes to draw conclusions.

Students study opportunity costs, economic models and the market forces of demand and supply. They dissect and interpret the complex nature of international economic relationships and the dynamics of Australia's place in the global economy. They develop intellectual flexibility, digital literacy and economic thinking skills.

Pathways

A course of study in Economics can establish a basis for further education and employment in the fields of economics, econometrics,

management, data analytics, business, accounting, finance, actuarial science, law and political science.

Economics is an excellent complement for students who want to solve real-world science or environmental problems and participate in government policy debates. It provides a competitive advantage for career options where students are aiming for management roles and developing their entrepreneurial skills to create business opportunities as agents of innovation.

Objectives

By the conclusion of the course of study, students will:

- comprehend economic concepts, principles and models
- select data and economic information from sources
- analyse economic issues
- evaluate economic outcomes
- create responses that communicate economic meaning.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Markets and models <ul style="list-style-type: none"> • The basic economic problem • Economic flows • Market forces 	Modified markets and efficiency <ul style="list-style-type: none"> • Markets and efficiency • Case options of market measures and strategies 	International economics <ul style="list-style-type: none"> • The global economy • International economic issues 	Contemporary macroeconomics <ul style="list-style-type: none"> • Macroeconomic objectives and theory • Economic management

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Examination — combination response	25%	Summative internal assessment 3 (IA3): • Examination — extended response to stimulus	25%
Summative internal assessment 2 (IA2): • Investigation — research report	25%	Summative external assessment (EA): • Examination — combination response	25%

Legal Studies

General senior subject

General

Legal Studies focuses on the interaction between society and the discipline of law and explores the role and development of law in response to current issues. Students study the legal system and how it regulates activities and aims to protect the rights of individuals, while balancing these with obligations and responsibilities.

Students study the foundations of law, the criminal justice process and the civil justice system. They critically examine issues of governance, explore contemporary issues of law reform and change, and consider Australian and international human rights issues.

Students develop skills of inquiry, critical thinking, problem-solving and reasoning to make informed and ethical decisions and recommendations. They identify and describe legal issues, explore information and data, analyse, evaluate to make decisions or propose recommendations, and create responses that convey legal meaning. They question, explore and discuss tensions between changing social values, justice and equitable outcomes.

Pathways

A course of study in Legal Studies can establish a basis for further education and employment in the fields of law, law enforcement, criminology, justice studies and politics. The knowledge, skills and attitudes students gain are transferable to all discipline areas and post-schooling tertiary pathways. The research and analytical skills this course develops are universally valued in business, health, science and engineering industries.

Objectives

By the conclusion of the course of study, students will:

- comprehend legal concepts, principles and processes
- select legal information from sources
- analyse legal issues
- evaluate legal situations
- create responses that communicate meaning.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Beyond reasonable doubt <ul style="list-style-type: none"> • Legal foundations • Criminal investigation process • Criminal trial process • Punishment and sentencing 	Balance of probabilities <ul style="list-style-type: none"> • Civil law foundations • Contractual obligations • Negligence and the duty of care 	Law, governance and change <ul style="list-style-type: none"> • Governance in Australia • Law reform within a dynamic society 	Human rights in legal contexts <ul style="list-style-type: none"> • Human rights • The effectiveness of international law • Human rights in Australian contexts

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Examination — combination response	25%	Summative internal assessment 3 (IA3): • Investigation — argumentative essay	25%
Summative internal assessment 2 (IA2): • Investigation — inquiry report	25%	Summative external assessment (EA): • Examination — combination response	25%

Modern History

General senior subject

General

Modern History provides opportunities for students to gain historical knowledge and understanding about some of the main forces that have contributed to the development of the Modern World and to think historically and form a historical consciousness in relation to these same forces.

Modern History enables students to empathise with others and make meaningful connections between the past, present and possible futures.

Students learn that the past is contestable and tentative. Through inquiry into ideas, movements, national experiences and international experiences they discover how the past consists of various perspectives and interpretations.

Students gain a range of transferable skills that will help them become empathetic and critically-literate citizens who are equipped to embrace a multicultural, pluralistic, inclusive, democratic, compassionate and sustainable future.

Pathways

A course of study in Modern History can establish a basis for further education and employment in the fields of history, education, psychology, sociology, law, business, economics, politics, journalism, the media, writing, academia and strategic analysis.

Objectives

By the conclusion of the course of study, students will:

- comprehend terms, issues and concepts
- devise historical questions and conduct research
- analyse historical sources and evidence
- synthesise information from historical sources and evidence
- evaluate historical interpretations
- create responses that communicate meaning.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Ideas in the modern world <ul style="list-style-type: none"> • Australian Frontier Wars, 1788–1930s • Age of Enlightenment, 1750s–1789 • Industrial Revolution, 1760s–1890s • American Revolution, 1763–1783 • French Revolution, 1789–1799 • Age of Imperialism, 1848–1914 	Movements in the modern world <ul style="list-style-type: none"> • Australian Indigenous rights movement since 1967 • Independence movement in India, 1857–1947 • Workers' movement since the 1860s • Women's movement since 1893 • May Fourth Movement in China, 1919 • Independence movement in Algeria, 1945–1962 	National experiences in the modern world <ul style="list-style-type: none"> • Australia, 1914–1949 • England, 1707–1837 • France, 1799–1815 • New Zealand, 1841–1934 • Germany, 1914–1945 • United States of America, 1917–1945 • Soviet Union, 1920s–1945 • Japan, 1931–1967 • China, 1931–1976 • Indonesia, 1942–1975 	International experiences in the modern world <ul style="list-style-type: none"> • Australian engagement with Asia since 1945 • Search for collective peace and security since 1815 • Trade and commerce between nations since 1833 • Mass migrations since 1848 • Information Age since 1936 • Genocides and ethnic cleansings since 1941 • Nuclear Age since 1945 • Cold War, 1945–1991

Unit 1	Unit 2	Unit 3	Unit 4
<ul style="list-style-type: none"> • Meiji Restoration, 1868–1912 		<ul style="list-style-type: none"> • India, 1947–1974 • Israel, 1948–1993 	
<ul style="list-style-type: none"> • Boxer Rebellion, 1900–1901 • Russian Revolution, 1905–1920s • Xinhai Revolution, 1911–1912 • Iranian Revolution, 1977–1979 • Arab Spring since 2010 • Alternative topic for Unit 1 	<ul style="list-style-type: none"> • Independence movement in Vietnam, 1945–1975 • Anti-apartheid movement in South Africa, 1948–1991 • African-American civil rights movement, 1954–1968 • Environmental movement since the 1960s • LGBTIQ civil rights movement since 1969 • Pro-democracy movement in Myanmar (Burma) since 1988 • Alternative topic for Unit 2 	<ul style="list-style-type: none"> • South Korea, 1948–1972 	<ul style="list-style-type: none"> • Struggle for peace in the Middle East since 1948 • Cultural globalisation since 1956 • Space exploration since 1957 • Rights and recognition of First Peoples since 1982 • Terrorism, anti-terrorism and counter-terrorism since 1984

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Examination — essay in response to historical sources	25%	Summative internal assessment 3 (IA3): • Investigation — historical essay based on research	25%
Summative internal assessment 2 (IA2): • Independent source investigation	25%	Summative external assessment (EA): • Examination — short responses to historical sources	25%

Design focuses on the application of design thinking to envisage creative products, services and environments in response to human needs, wants and opportunities. Designing is a complex and sophisticated form of problem-solving that uses divergent and convergent thinking strategies that can be practised and improved. Designers are separated from the constraints of production processes to allow them to appreciate and exploit new innovative ideas.

Students learn how design has influenced the economic, social and cultural environment in which they live. They understand the agency of humans in conceiving and imagining possible futures through design. Collaboration, teamwork and communication are crucial skills needed to work in design teams and liaise with stakeholders. They learn the value of creativity and build resilience as they experience iterative design processes, where the best ideas may be the result of trial and error and a willingness to take risks and experiment with alternatives.

Students learn about and experience design through exploring needs, wants and opportunities; developing ideas and design concepts; using drawing and low-fidelity prototyping skills; and evaluating ideas and design concepts. They communicate design proposals to suit different audiences.

Pathways

A course of study in Design can establish a basis for further education and employment in the fields of architecture, digital media design, fashion design, graphic design, industrial design, interior design and landscape architecture.

Objectives

By the conclusion of the course of study, students will:

- describe design problems and design criteria
- represent ideas, design concepts and design information using drawing and low-fidelity prototyping
- analyse needs, wants and opportunities using data
- devise ideas in response to design problems
- synthesise ideas and design information to propose design concepts
- evaluate ideas and design concepts to make refinements
- make decisions about and use mode-appropriate features, language and conventions for particular purposes and contexts.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Design in practice <ul style="list-style-type: none"> • Experiencing design • Design process • Design styles 	Commercial design <ul style="list-style-type: none"> • Explore — client needs and wants • Develop — collaborative design 	Human-centred design <ul style="list-style-type: none"> • Designing with empathy 	Sustainable design <ul style="list-style-type: none"> • Explore — sustainable design opportunities • Develop — redesign

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Examination — design challenge	15%	Summative internal assessment 3 (IA3): • Project	25%
Summative internal assessment 2 (IA2): • Project	35%	Summative external assessment (EA): • Examination — design challenge	25%

Digital Solutions enables students to learn about algorithms, computer languages and user interfaces through generating digital solutions to problems. Students engage with data, information and applications to create digital solutions that filter and present data in timely and efficient ways while understanding the need to encrypt and protect data. They understand computing's personal, local and global impact, and the issues associated with the ethical integration of technology into our daily lives.

Students use problem-based learning to write computer programs to create digital solutions that: use data; require interactions with users and within systems; and affect people, the economy and environments. They develop solutions using combinations of readily available hardware and software development environments, code libraries or specific instructions provided through programming.

Students create, construct and repurpose solutions that are relevant in a world where data and digital realms are transforming entertainment, education, business, manufacturing and many other industries.

Pathways

A course of study in Digital Solutions can establish a basis for further education and employment in the fields of science, technologies, engineering and mathematics.

Objectives

By the conclusion of the course of study, students will:

- recognise and describe elements, components, principles and processes
- symbolise and explain information, ideas and interrelationships
- analyse problems and information
- determine solution requirements and criteria
- synthesise information and ideas to determine possible digital solutions
- generate components of the digital solution
- evaluate impacts, components and solutions against criteria to make refinements and justified recommendations
- make decisions about and use mode-appropriate features, language and conventions for particular purposes and contexts.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Creating with code <ul style="list-style-type: none"> • Understanding digital problems • User experiences and interfaces • Algorithms and programming techniques • Programmed solutions 	Application and data solutions <ul style="list-style-type: none"> • Data-driven problems and solution requirements • Data and programming techniques • Prototype data solutions 	Digital innovation <ul style="list-style-type: none"> • Interactions between users, data and digital systems • Real-world problems and solution requirements • Innovative digital solutions 	Digital impacts <ul style="list-style-type: none"> • Digital methods for exchanging data • Complex digital data exchange problems and solution requirements • Prototype digital data exchanges

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Investigation — technical proposal	20%	Summative internal assessment 3 (IA3): • Project — folio	25%
Summative internal assessment 2 (IA2): • Project — digital solution	30%	Summative external assessment (EA): • Examination	25%

Industrial Technology Skills

Applied senior subject

Applied

Industrial Technology Skills focuses on the practices and processes required to manufacture products in a variety of industries.

Students understand industry practices; interpret specifications, including technical information and drawings; demonstrate and apply safe, practical production processes with hand/power tools and machinery; communicate using oral, written and graphical modes; organise, calculate and plan production processes; and evaluate the products they create using predefined specifications.

Students develop transferable skills by engaging in manufacturing tasks that relate to business and industry, and that promote adaptable, competent, self-motivated and safe individuals who can work with colleagues to solve problems and complete practical work.

Pathways

A course of study in Industrial Technology Skills can establish a basis for further education and employment in manufacturing industries. Employment opportunities may be found in the industry areas of aeroskills,

automotive, building and construction, engineering, furnishing, industrial graphics and plastics.

Objectives

By the conclusion of the course of study, students should:

- describe industry practices in manufacturing tasks
- demonstrate fundamental production skills
- interpret drawings and technical information
- analyse manufacturing tasks to organise materials and resources
- select and apply production skills and procedures in manufacturing tasks
- use visual representations and language conventions and features to communicate for particular purposes
- plan and adapt production processes
- create products from specifications
- evaluate industry practices, production processes and products, and make recommendations.

Structure

The Industrial Technology Skills course is designed around:

- core topics, which are integrated throughout the course
- elective topics, organised in industry areas, and manufacturing tasks related to the chosen electives.

Core topics	Industry area	Elective topics
<ul style="list-style-type: none">• Industry practices• Production processes	Aeroskills	<ul style="list-style-type: none">• Aeroskills mechanical• Aeroskills structures
	Automotive	<ul style="list-style-type: none">• Automotive mechanical• Automotive body repair• Automotive electrical

	Building and construction	<ul style="list-style-type: none"> • Bricklaying • Plastering and painting • Concreting • Carpentry • Tiling • Landscaping
	Engineering	<ul style="list-style-type: none"> • Sheet metal working • Welding and fabrication • Fitting and machining
	Furnishing	<ul style="list-style-type: none"> • Cabinet-making • Furniture finishing • Furniture-making • Glazing and framing • Upholstery
	Industrial graphics	<ul style="list-style-type: none"> • Engineering drafting • Building and construction drafting • Furnishing drafting
	Plastics	<ul style="list-style-type: none"> • Thermoplastics fabrication • Thermosetting fabrication

Assessment

For Industrial Technology Skills, assessment from Units 3 and 4 is used to determine the student's exit result, and this consists of four instruments, including:

- at least two projects
- at least one practical demonstration (separate to the assessable component of a project).

Project	Practical demonstration	Examination
A response to a single task, situation and/or scenario.	A task that assesses the practical application of a specific set of teacher-identified production skills and procedures.	A response that answers a number of provided questions, scenarios and/or problems.
<p>A project consists of a product component and at least one of the following components:</p> <ul style="list-style-type: none"> • written: 500–900 words • spoken: 2½–3½ minutes • multimodal <ul style="list-style-type: none"> – non-presentation: 8 A4 pages max (or equivalent) – presentation: 3–6 minutes • product: continuous class time. 	Students demonstrate production skills and procedures in class under teacher supervision.	<ul style="list-style-type: none"> • 60–90 minutes • 50–250 words per item



NOTE: Due to the safety requirements of this subject, students electing to take ITS are required to provide overalls and metal-capped boots.

Physical Education

General senior subject

General

Physical Education provides students with knowledge, understanding and skills to explore and enhance their own and others' health and physical activity in diverse and changing contexts.

Physical Education provides a philosophical and educative framework to promote deep learning in three dimensions: about, through and in physical activity contexts. Students optimise their engagement and performance in physical activity as they develop an understanding and appreciation of the interconnectedness of these dimensions.

Students learn how body and movement concepts and the scientific bases of biophysical, sociocultural and psychological concepts and principles are relevant to their engagement and performance in physical activity. They engage in a range of activities to develop movement sequences and movement strategies.

Students learn experientially through three stages of an inquiry approach to make connections between the scientific bases and the physical activity contexts. They recognise and explain concepts and principles about and through movement, and demonstrate and apply body and movement concepts to movement sequences and movement strategies.

Through their purposeful engagement in physical activities, students gather data to analyse, synthesise and devise strategies to optimise engagement and performance. They engage in reflective decision-making as they evaluate and justify strategies to achieve a particular outcome.

Pathways

A course of study in Physical Education can establish a basis for further education and employment in the fields of exercise science, biomechanics, the allied health professions, psychology, teaching, sport journalism, sport marketing and management, sport promotion, sport development and coaching.

Objectives

By the conclusion of the course of study, students will:

- recognise and explain concepts and principles about movement
- demonstrate specialised movement sequences and movement strategies
- apply concepts to specialised movement sequences and movement strategies
- analyse and synthesise data to devise strategies about movement
- evaluate strategies about and in movement
- justify strategies about and in movement
- make decisions about and use language, conventions and mode-appropriate features for particular purposes and contexts.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Motor learning, functional anatomy, biomechanics and physical activity <ul style="list-style-type: none"> • Motor learning integrated with a selected physical activity • Functional anatomy and biomechanics integrated with a selected physical activity 	Sport psychology, equity and physical activity <ul style="list-style-type: none"> • Sport psychology integrated with a selected physical activity • Equity — barriers and enablers 	Tactical awareness, ethics and integrity and physical activity <ul style="list-style-type: none"> • Tactical awareness integrated with one selected 'Invasion' or 'Net and court' physical activity • Ethics and integrity 	Energy, fitness and training and physical activity <ul style="list-style-type: none"> • Energy, fitness and training integrated with one selected 'Invasion', 'Net and court' or 'Performance' physical activity

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Project — folio	25%	Summative internal assessment 3 (IA3): • Project — folio	30%
Summative internal assessment 2 (IA2): • Investigation — report	20%	Summative external assessment (EA): • Examination — combination response	25%

Biology

General senior subject

General

Biology provides opportunities for students to engage with living systems.

Students develop their understanding of cells and multicellular organisms. They engage with the concept of maintaining the internal environment. They study biodiversity and the interconnectedness of life. This knowledge is linked with the concepts of heredity and the continuity of life.

Students learn and apply aspects of the knowledge and skills of the discipline (thinking, experimentation, problem-solving and research skills), understand how it works and how it may impact society. They develop their sense of wonder and curiosity about life; respect for all living things and the environment; understanding of biological systems, concepts, theories and models; appreciation of how biological knowledge has developed over time and continues to develop; a sense of how biological knowledge influences society.

Students plan and carry out fieldwork, laboratory and other research investigations; interpret evidence; use sound, evidence-based arguments creatively and analytically when evaluating claims and applying biological knowledge; and communicate biological understanding, findings, arguments and conclusions using appropriate representations, modes and genres.

Pathways

A course of study in Biology can establish a basis for further education and employment in the fields of medicine, forensics, veterinary, food and marine sciences, agriculture, biotechnology, environmental rehabilitation, biosecurity, quarantine, conservation and sustainability.

Objectives

By the conclusion of the course of study, students will:

- describe and explain scientific concepts, theories, models and systems and their limitations
- apply understanding of scientific concepts, theories, models and systems within their limitations
- analyse evidence
- interpret evidence
- investigate phenomena
- evaluate processes, claims and conclusions
- communicate understandings, findings, arguments and conclusions.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Cells and multicellular organisms <ul style="list-style-type: none"> • Cells as the basis of life • Multicellular organisms 	Maintaining the internal environment <ul style="list-style-type: none"> • Homeostasis • Infectious diseases 	Biodiversity and the interconnectedness of life <ul style="list-style-type: none"> • Describing biodiversity • Ecosystem dynamics 	Heredity and continuity of life <ul style="list-style-type: none"> • DNA, genes and the continuity of life • Continuity of life on Earth

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Data test	10%	Summative internal assessment 3 (IA3): • Research investigation	20%
Summative internal assessment 2 (IA2): • Student experiment	20%		
Summative external assessment (EA): 50%			
• Examination			

Chemistry

General senior subject

General

Chemistry is the study of materials and their properties and structure.

Students study atomic theory, chemical bonding, and the structure and properties of elements and compounds. They explore intermolecular forces, gases, aqueous solutions, acidity and rates of reaction. They study equilibrium processes and redox reactions. They explore organic chemistry, synthesis and design to examine the characteristic chemical properties and chemical reactions displayed by different classes of organic compounds.

Students develop their appreciation of chemistry and its usefulness; understanding of chemical theories, models and chemical systems; expertise in conducting scientific investigations. They critically evaluate and debate scientific arguments and claims in order to solve problems and generate informed, responsible and ethical conclusions, and communicate chemical understanding and findings through the use of appropriate representations, language and nomenclature.

Students learn and apply aspects of the knowledge and skills of the discipline (thinking, experimentation, problem-solving and research skills), understand how it works and how it may impact society.

Pathways

A course of study in Chemistry can establish a basis for further education and employment in the fields of forensic science, environmental science, engineering, medicine, pharmacy and sports science.

Objectives

By the conclusion of the course of study, students will:

- describe and explain scientific concepts, theories, models and systems and their limitations
- apply understanding of scientific concepts, theories, models and systems within their limitations
- analyse evidence
- interpret evidence
- investigate phenomena
- evaluate processes, claims and conclusions
- communicate understandings, findings, arguments and conclusions.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Chemical fundamentals — structure, properties and reactions <ul style="list-style-type: none"> • Properties and structure of atoms • Properties and structure of materials • Chemical reactions — reactants, products and energy change 	Molecular interactions and reactions <ul style="list-style-type: none"> • Intermolecular forces and gases • Aqueous solutions and acidity • Rates of chemical reactions 	Equilibrium, acids and redox reactions <ul style="list-style-type: none"> • Chemical equilibrium systems • Oxidation and reduction 	Structure, synthesis and design <ul style="list-style-type: none"> • Properties and structure of organic materials • Chemical synthesis and design

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Data test	10%	Summative internal assessment 3 (IA3): • Research investigation	20%
Summative internal assessment 2 (IA2): • Student experiment	20%		
Summative external assessment (EA): 50% • Examination			

Physics

General senior subject

General

Physics provides opportunities for students to engage with classical and modern understandings of the universe.

Students learn about the fundamental concepts of thermodynamics, electricity and nuclear processes; and about the concepts and theories that predict and describe the linear motion of objects. Further, they explore how scientists explain some phenomena using an understanding of waves. They engage with the concept of gravitational and electromagnetic fields, and the relevant forces associated with them. They study modern physics theories and models that, despite being counterintuitive, are fundamental to our understanding of many common observable phenomena.

Students develop appreciation of the contribution physics makes to society: understanding that diverse natural phenomena may be explained, analysed and predicted using concepts, models and theories that provide a reliable basis for action; and that matter and energy interact in physical systems across a range of scales. They understand how models and theories are refined, and new ones developed in physics; investigate phenomena and solve problems; collect and analyse data; and interpret evidence. Students use accurate and precise measurement, valid and reliable evidence, and scepticism and intellectual rigour to evaluate claims; and communicate physics understanding, findings, arguments and conclusions using appropriate representations, modes and genres.

Students learn and apply aspects of the knowledge and skills of the discipline (thinking, experimentation, problem-solving and research skills), understand how it works and how it may impact society.

Pathways

A course of study in Physics can establish a basis for further education and employment in the fields of science, engineering, medicine and technology.

Objectives

By the conclusion of the course of study, students will:

- describe and explain scientific concepts, theories, models and systems and their limitations
- apply understanding of scientific concepts, theories, models and systems within their limitations
- analyse evidence
- interpret evidence
- investigate phenomena
- evaluate processes, claims and conclusions
- communicate understandings, findings, arguments and conclusions.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Thermal, nuclear and electrical physics <ul style="list-style-type: none"> • Heating processes • Ionising radiation and nuclear reactions • Electrical circuits 	Linear motion and waves <ul style="list-style-type: none"> • Linear motion and force • Waves 	Gravity and electromagnetism <ul style="list-style-type: none"> • Gravity and motion • Electromagnetism 	Revolutions in modern physics <ul style="list-style-type: none"> • Special relativity • Quantum theory • The Standard Model

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Data test	10%	Summative internal assessment 3 (IA3): • Research investigation	20%
Summative internal assessment 2 (IA2): • Student experiment	20%		
Summative external assessment (EA): 50% • Examination			

Japanese

General senior subject

General

Japanese provides students with the opportunity to reflect on their understanding of the Japanese language and the communities that use it, while also assisting in the effective negotiation of experiences and meaning across cultures and languages. Students participate in a range of interactions in which they exchange meaning, develop intercultural understanding and become active participants in understanding and constructing written, spoken and visual texts.

Students communicate with people from Japanese-speaking communities to understand the purpose and nature of language and to gain understanding of linguistic structures. They acquire language in social and cultural settings and communicate across a range of contexts for a variety of purposes.

Students experience and evaluate a range of different text types; reorganise their thinking to accommodate other linguistic and intercultural knowledge and textual conventions; and create texts for a range of contexts, purposes and audiences.

Pathways

A course of study in Japanese can establish a basis for further education and employment in many professions and industries, particularly those where the knowledge of an

additional language and the intercultural understanding it encompasses could be of value, such as business, hospitality, law, science, technology, sociology and education.

Objectives

By the conclusion of the course of study, students will:

- comprehend Japanese to understand information, ideas, opinions and experiences
- identify tone, purpose, context and audience to infer meaning, values and attitudes
- analyse and evaluate information and ideas to draw conclusions and justify opinions, ideas and perspectives
- apply knowledge of Japanese language elements, structures and textual conventions to convey meaning appropriate to context, purpose, audience and cultural conventions
- structure, sequence and synthesise information to justify opinions, ideas and perspectives
- use strategies to maintain communication and exchange meaning in Japanese.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
私の暮らし My world <ul style="list-style-type: none"> • Family/carers and friends • Lifestyle and leisure • Education 	私達のまわり Exploring our world <ul style="list-style-type: none"> • Travel • Technology and media • The contribution of Japanese culture to the world 	私達の社会 Our society <ul style="list-style-type: none"> • Roles and relationships • Socialising and connecting with my peers • Groups in society 	私の将来 My future <ul style="list-style-type: none"> • Finishing secondary school, plans and reflections • Responsibilities and moving on

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Examination — short response	15%	Summative internal assessment 3 (IA3): • Extended response	30%
Summative internal assessment 2 (IA2): • Examination — combination response	30%	Summative external assessment (EA): • Examination — combination response	25%

Senior External Examination Languages

The following languages are offered through Senior External Examination (SEE) syllabuses.

- Arabic
- Chinese
- Indonesian
- Korean
- Latin
- Modern Greek
- Polish
- Punjabi
- Russian
- Vietnamese

Assessment

All assessment in these syllabuses will be based on the learning across both Units 3 and 4 and will be conducted through external examination.

Chinese provides students/candidates with the opportunity to reflect on their understanding of the Chinese language and the communities that use it, while also assisting in the effective negotiation of experiences and meaning across cultures and languages. Students/candidates participate in a range of interactions in which they exchange meaning, develop intercultural understanding and become active participants in understanding and constructing written, spoken and visual texts.

Students/candidates communicate with people from Chinese-speaking communities to understand the purpose and nature of language and to gain understanding of linguistic structures. They acquire language in social and cultural settings and communicate across a range of contexts for a variety of purposes.

Students/candidates may write responses in full form characters.

Students/candidates experience and evaluate a range of different text types; reorganise their thinking to accommodate other linguistic and intercultural knowledge and textual conventions; and create texts for a range of contexts, purposes and audiences.

This syllabus cannot be studied in conjunction with the *Chinese General Senior Syllabus 2019* and/or the *Chinese Extension General Senior Syllabus 2020*.

Pathways

A course of study in Chinese can establish a basis for further education and employment in many professions and industries, particularly those where the knowledge of an additional language and the intercultural understanding it encompasses could be of value, such as business, hospitality, law, science, technology, sociology and education.

Objectives

By the conclusion of the course of study, students/candidates will:

- comprehend Chinese to understand information, ideas, opinions and experiences
- identify tone, purpose, context and audience to infer meaning, values and attitudes
- analyse and evaluate information and ideas to draw conclusions and justify opinions, ideas and perspectives
- apply knowledge of Chinese language elements, structures and textual conventions to convey meaning appropriate to context, purpose, audience and cultural conventions
- structure, sequence and synthesise information to justify opinions, ideas and perspectives
- use strategies to maintain communication and exchange meaning in Chinese.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
我的世界 My world <ul style="list-style-type: none"> • Family/carers and friends • Lifestyle and leisure • Education 	探索世界 Exploring our world <ul style="list-style-type: none"> • Travel • Technology and media • The contribution of Chinese culture to the world 	社会现象 Our society <ul style="list-style-type: none"> • Roles and relationships • Socialising and connecting with my peers • Individuals in society 	我的未来 My future <ul style="list-style-type: none"> • Future pathways, plans and reflections • Responsibilities and moving on

Assessment

Schools/providers devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students/candidates complete two summative external assessments at the end of the course. The results from these two assessments are added together to provide a subject score out of 100. Students/candidates will also receive an overall subject result (A–E).

Summative assessments

Unit 3	Unit 4
Summative external assessment 1 (EA1): Examination — extended response	25%
Summative external assessment 2 (EA2): Examination — combination response	75%

Indonesian

General senior external examination subject

General

Indonesian provides students/candidates with the opportunity to reflect on their understanding of the Indonesian language and the communities that use it, while also assisting in the effective negotiation of experiences and meaning across cultures and languages. Students/candidates participate in a range of interactions in which they exchange meaning, develop intercultural understanding and become active participants in understanding and constructing written, spoken and visual texts.

Students/candidates communicate with people from Indonesian-speaking communities to understand the purpose and nature of language and to gain understanding of linguistic structures. They acquire language in social and cultural settings and communicate across a range of contexts for a variety of purposes.

Students/candidates experience and evaluate a range of different text types; reorganise their thinking to accommodate other linguistic and intercultural knowledge and textual conventions; and create texts for a range of contexts, purposes and audiences.

Pathways

A course of study in Indonesian can establish a basis for further education and employment in many professions and industries,

particularly those where the knowledge of an additional language and the intercultural understanding it encompasses could be of value, such as business, hospitality, law, science, technology, sociology and education.

Objectives

By the conclusion of the course of study, students/candidates will:

- comprehend Indonesian to understand information, ideas, opinions and experiences
- identify tone, purpose, context and audience to infer meaning, values and attitudes
- analyse and evaluate information and ideas to draw conclusions and justify opinions, ideas and perspectives
- apply knowledge of Indonesian language elements, structures and textual conventions to convey meaning appropriate to context, purpose, audience and cultural conventions
- structure, sequence and synthesise information to justify opinions, ideas and perspectives
- use strategies to maintain communication and exchange meaning in Indonesian.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Duniaku My world <ul style="list-style-type: none"> • Family/carers and friends • Lifestyle and leisure • Education 	Menjelajahi dunia kita Exploring our world <ul style="list-style-type: none"> • Travel • Technology and media • The contribution of Indonesian culture to the world 	Masyarakat kita Our society <ul style="list-style-type: none"> • Roles and relationships • Socialising and connecting with my peers • Groups in society 	Masa depan saya My future <ul style="list-style-type: none"> • Future pathways, plans and reflections • Responsibilities and moving on

Assessment

Schools/providers devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students/candidates complete two summative external assessments at the end of the course. The results from these two assessments are added together to provide a subject score out of 100. Students/candidates will also receive an overall subject result (A–E).

Summative assessments

Unit 3	Unit 4
Summative external assessment 1 (EA1): Examination — extended response	25%
Summative external assessment 2 (EA2): Examination — combination response	75%

Korean

General senior external examination subject

General

Korean provides students/candidates with the opportunity to reflect on their understanding of the Korean language and the communities that use it, while also assisting in the effective negotiation of experiences and meaning across cultures and languages. Students/candidates participate in a range of interactions in which they exchange meaning, develop intercultural understanding and become active participants in understanding and constructing written, spoken and visual texts.

Students/candidates communicate with people from Korean-speaking communities to understand the purpose and nature of language and to gain understanding of linguistic structures. They acquire language in social and cultural settings and communicate across a range of contexts for a variety of purposes.

Students/candidates experience and evaluate a range of different text types; reorganise their thinking to accommodate other linguistic and intercultural knowledge and textual conventions; and create texts for a range of contexts, purposes and audiences.

Pathways

A course of study in Korean can establish a basis for further education and employment in many professions and industries,

particularly those where the knowledge of an additional language and the intercultural understanding it encompasses could be of value, such as business, hospitality, law, science, technology, sociology and education.

Objectives

By the conclusion of the course of study, students/candidates will:

- comprehend Korean to understand information, ideas, opinions and experiences
- identify tone, purpose, context and audience to infer meaning, values and attitudes
- analyse and evaluate information and ideas to draw conclusions and justify opinions, ideas and perspectives
- apply knowledge of Korean language elements, structures and textual conventions to convey meaning appropriate to context, purpose, audience and cultural conventions
- structure, sequence and synthesise information to justify opinions, ideas and perspectives
- use strategies to maintain communication and exchange meaning in Korean.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
나의 삶 My world <ul style="list-style-type: none"> • Family/carers and friends • Lifestyle and leisure • Education 	우리가 사는 세상 Exploring our world <ul style="list-style-type: none"> • Travel • Technology and media • The contribution of Korean culture to the world 	우리 사회 Our society <ul style="list-style-type: none"> • Roles and relationships • Socialising and connecting with my peers • Groups in society 	나의 미래 My future <ul style="list-style-type: none"> • Future pathways, plans and reflections • Responsibilities and moving on

Assessment

Schools/providers devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students/candidates complete two summative external assessments at the end of the course. The results from these two assessments are added together to provide a subject score out of 100. Students/candidates will also receive an overall subject result (A–E).

Summative assessments

Unit 3	Unit 4
Summative external assessment 1 (EA1): Examination — extended response	25%
Summative external assessment 2 (EA2): Examination — combination response	75%

Vietnamese

General senior external examination subject

General

Vietnamese provides students/candidates with the opportunity to reflect on their understanding of the Vietnamese language and the communities that use it, while also assisting in the effective negotiation of experiences and meaning across cultures and languages. Students/candidates participate in a range of interactions in which they exchange meaning, develop intercultural understanding and become active participants in understanding and constructing written, spoken and visual texts.

Students/candidates communicate with people from Vietnamese-speaking communities to understand the purpose and nature of language and to gain understanding of linguistic structures. They acquire language in social and cultural settings and communicate across a range of contexts for a variety of purposes.

Students/candidates experience and evaluate a range of different text types; reorganise their thinking to accommodate other linguistic and intercultural knowledge and textual conventions; and create texts for a range of contexts, purposes and audiences.

Pathways

A course of study in Vietnamese can establish a basis for further education and employment in many professions and

industries, particularly those where the knowledge of an additional language and the intercultural understanding it encompasses could be of value, such as business, hospitality, law, science, technology, sociology and education.

Objectives

By the conclusion of the course of study, students/candidates will:

- comprehend Vietnamese to understand information, ideas, opinions and experiences
- identify tone, purpose, context and audience to infer meaning, values and attitudes
- analyse and evaluate information and ideas to draw conclusions and justify opinions, ideas and perspectives
- apply knowledge of Vietnamese language elements, structures and textual conventions to convey meaning appropriate to context, purpose, audience and cultural conventions
- structure, sequence and synthesise information to justify opinions, ideas and perspectives
- use strategies to maintain communication and exchange meaning in Vietnamese.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
Thế giới của tôi My world <ul style="list-style-type: none"> • Family/carers and friends • Lifestyle and leisure • Education 	Khám phá thế giới của chúng ta Exploring our world <ul style="list-style-type: none"> • Travel • Technology and media • The contribution of Vietnamese culture to the world 	Xã hội của chúng ta Our society <ul style="list-style-type: none"> • Roles and relationships • Socialising and connecting with my peers • Groups in society 	Tương lai của tôi My future <ul style="list-style-type: none"> • Future pathways, plans and reflections • Responsibilities and moving on

Assessment

Schools/providers devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students/candidates complete two summative external assessments at the end of the course. The results from these two assessments are added together to provide a subject score out of 100. Students/candidates will also receive an overall subject result (A–E).

Summative assessments

Unit 3	Unit 4
Summative external assessment 1 (EA1): Examination — extended response	25%
Summative external assessment 2 (EA2): Examination — combination response	75%

Drama

General senior subject

General

Drama fosters creative and expressive communication. It interrogates the human experience by investigating, communicating and embodying stories, experiences, emotions and ideas that reflect the human experience. It engages students in imaginative meaning-making processes and involves them using a range of artistic skills as they make and respond to dramatic works.

Students experience, reflect on, understand, communicate, collaborate and appreciate different perspectives of themselves, others and the world in which they live. They learn about the dramatic languages and how these contribute to the creation, interpretation and critique of dramatic action and meaning for a range of purposes. They study a range of forms, styles and their conventions in a variety of inherited traditions, current practice and emerging trends, including those from different cultures and contexts.

Students learn how to engage with dramatic works as both artists and audience through the use of critical literacies. The study of drama develops students' knowledge, skills and understanding in the making of and responding to dramatic works to help them realise their creative and expressive potential as individuals. Students learn to pose and solve problems, and work independently and collaboratively.

Pathways

A course of study in Drama can establish a basis for further education and employment in the field of drama, and to broader areas in creative industries and cultural institutions, including arts administration and management, communication, education, public relations, research and science and technology.

Objectives

By the conclusion of the course of study, students will:

- demonstrate an understanding of dramatic languages
- apply literacy skills
- apply and structure dramatic languages
- analyse how dramatic languages are used to create dramatic action and meaning
- interpret purpose, context and text to communicate dramatic meaning
- manipulate dramatic languages to create dramatic action and meaning
- evaluate and justify the use of dramatic languages to communicate dramatic meaning
- synthesise and argue a position about dramatic action and meaning.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
<p>Share</p> <p>How does drama promote shared understandings of the human experience?</p> <ul style="list-style-type: none"> • cultural inheritances of storytelling • oral history and emerging practices • a range of linear and non-linear forms 	<p>Reflect</p> <p>How is drama shaped to reflect lived experience?</p> <ul style="list-style-type: none"> • Realism, including Magical Realism, Australian Gothic • associated conventions of styles and texts 	<p>Challenge</p> <p>How can we use drama to challenge our understanding of humanity?</p> <ul style="list-style-type: none"> • Theatre of Social Comment, including Theatre of the Absurd and Epic Theatre • associated conventions of styles and texts 	<p>Transform</p> <p>How can you transform dramatic practice?</p> <ul style="list-style-type: none"> • Contemporary performance • associated conventions of styles and texts • inherited texts as stimulus

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Performance	20%	Summative internal assessment 3 (IA3): • Project — practice-led project	35%
Summative internal assessment 2 (IA2): • Project — dramatic concept	20%		
Summative external assessment (EA): 25%			
• Examination — extended response			

Music

General senior subject

General

Music fosters creative and expressive communication. It allows students to develop musicianship through making (composition and performance) and responding (musicology).

Through composition, performance and musicology, students use and apply music elements and concepts. They apply their knowledge and understanding to convey meaning and/or emotion to an audience.

Students use essential literacy skills to engage in a multimodal world. They demonstrate practical music skills, and analyse and evaluate music in a variety of contexts, styles and genres.

Pathways

A course of study in Music can establish a basis for further education and employment in the fields of arts administration, communication, education, creative

industries, public relations and science and technology.

Objectives

By the conclusion of the course of study, students will:

- demonstrate technical skills
- explain music elements and concepts
- use music elements and concepts
- analyse music
- apply compositional devices
- apply literacy skills
- interpret music elements and concepts
- evaluate music to justify the use of music elements and concepts
- realise music ideas
- resolve music ideas.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
<p>Designs</p> <p>Through inquiry learning, the following is explored:</p> <p>How does the treatment and combination of different music elements enable musicians to design music that communicates meaning through performance and composition?</p>	<p>Identities</p> <p>Through inquiry learning, the following is explored:</p> <p>How do musicians use their understanding of music elements, concepts and practices to communicate cultural, political, social and personal identities when performing, composing and responding to music?</p>	<p>Innovations</p> <p>Through inquiry learning, the following is explored:</p> <p>How do musicians incorporate innovative music practices to communicate meaning when performing and composing?</p>	<p>Narratives</p> <p>Through inquiry learning, the following is explored:</p> <p>How do musicians manipulate music elements to communicate narrative when performing, composing and responding to music?</p>

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Performance	20%	Summative internal assessment 3 (IA3): • Integrated project	35%
Summative internal assessment 2 (IA2): • Composition	20%		
Summative external assessment (EA): 25% • Examination			

Visual Art

General senior subject

General

Visual Art provides students with opportunities to understand and appreciate the role of visual art in past and present traditions and cultures, as well as the contributions of contemporary visual artists and their aesthetic, historical and cultural influences. Students interact with artists, artworks, institutions and communities to enrich their experiences and understandings of their own and others' art practices.

Students have opportunities to construct knowledge and communicate personal interpretations by working as both artist and audience. They use their imagination and creativity to innovatively solve problems and experiment with visual language and expression.

Through an inquiry learning model, students develop critical and creative thinking skills. They create individualised responses and meaning by applying diverse materials, techniques, technologies and art processes.

In responding to artworks, students employ essential literacy skills to investigate artistic expression and critically analyse artworks in diverse contexts. They consider meaning, purposes and theoretical approaches when ascribing aesthetic value and challenging ideas.

Pathways

A course of study in Visual Art can establish a basis for further education and employment

in the fields of arts practice, design, craft, and information technologies; broader areas in creative industries and cultural institutions; and diverse fields that use skills inherent in the subject, including advertising, arts administration and management, communication, design, education, galleries and museums, film and television, public relations, and science and technology.

Objectives

By the conclusion of the course of study, students will:

- implement ideas and representations
- apply literacy skills
- analyse and interpret visual language, expression and meaning in artworks and practices
- evaluate art practices, traditions, cultures and theories
- justify viewpoints
- experiment in response to stimulus
- create meaning through the knowledge and understanding of materials, techniques, technologies and art processes
- realise responses to communicate meaning.

Structure

Unit 1	Unit 2	Unit 3	Unit 4
<p>Art as lens</p> <p>Through inquiry learning, the following are explored:</p> <ul style="list-style-type: none"> • Concept: lenses to explore the material world • Contexts: personal and contemporary • Focus: People, place, objects • Media: 2D, 3D, and time-based 	<p>Art as code</p> <p>Through inquiry learning, the following are explored:</p> <ul style="list-style-type: none"> • Concept: art as a coded visual language • Contexts: formal and cultural • Focus: Codes, symbols, signs and art conventions • Media: 2D, 3D, and time-based 	<p>Art as knowledge</p> <p>Through inquiry learning, the following are explored:</p> <ul style="list-style-type: none"> • Concept: constructing knowledge as artist and audience • Contexts: contemporary, personal, cultural and/or formal • Focus: student-directed • Media: student-directed 	<p>Art as alternate</p> <p>Through inquiry learning, the following are explored:</p> <ul style="list-style-type: none"> • Concept: evolving alternate representations and meaning • Contexts: contemporary and personal, cultural and/or formal • Focus: continued exploration of Unit 3 student-directed focus • Media: student-directed

Assessment

Schools devise assessments in Units 1 and 2 to suit their local context.

In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students will also receive an overall subject result (A–E).

Summative assessments

Unit 3		Unit 4	
Summative internal assessment 1 (IA1): • Investigation — inquiry phase 1	15%	Summative internal assessment 3 (IA3): • Project — inquiry phase 3	35%
Summative internal assessment 2 (IA2): • Project — inquiry phase 2	25%		
Summative external assessment (EA): 25% • Examination			

Certificate III in Fitness

On Premises Delivery

VET

The program involves learning about what it takes to become an Exercise Professional. This learning will take place in a range of settings, including classroom and outdoors – involving the use of the school's fitness facility and partnership with Genesis Gym. Training also includes practical experience as an Exercise/Gym Instructor and Activity Assistant at the school.

Assessment activities include the completion of practical and knowledge tasks throughout the program. Many of the practical tasks will be observed while participating as an Exercise/Gym Instructor or while participating in practical lessons. This will often require the completion of a fitness industry document (e.g. exercise program). Knowledge tasks are generally short answer 'quizzes' - completed online - that test your knowledge against one or more of the competency units.

- Due to registration constraints, International Students are not eligible to take this course.
- Successful completion of this certificate will contribute 8 Credits towards the QCE.
- This certificate counts towards ATAR (with 4 General Subjects)

Certificate III in Early Childhood Education and Care

On Premises Delivery

VET

This program prepares students interested in working with children under 5 for employment in the Early Education Sector such as in childcare, long day care, family day care, and kindergartens. The Certificate III is the minimum entry level to work in Early Education and Care. Graduates will be competent in a range of essential skills.

Course Overview:

This subject allows students to explore Early Childhood careers while opening the doors and giving direction in Early Childhood career pathways. Successful completion of this qualification enables students to work as an Assistant in any Childcare Centre in Australia or as a Nanny. Students are required to undertake work placements throughout the course in an approved Early Childhood Service. This allows them to sample the industry first hand, whilst giving them the opportunity to gain the knowledge and skills required at this level of competency. Assessment is undertaken throughout the course both in practical and theory exercises. Assessment is competency based and requires the completion of all projects and assignments written and/or practical as set out within the Unit Study Guides and Workbooks.

Entry requirements:

Students should have achieved at least a C standard in Year 10 English. Students are required to complete a practical placement in a Day-care Center. This may be completed in a variety of ways including school holidays, Wednesday afternoons during PGP, after school or a combination of these.

- Successful completion of this certificate will contribute 8 Credits towards the QCE.
- This certificate counts towards ATAR (with 4 General Subjects)

Certificate II in Aircraft Line Maintenance

External Delivery

VET

Domestic program only for VETIS.

Aviation Australia has been providing world-class aviation training that has created partnerships with over 150 industry organisations comprising airlines, aerospace companies, government, defence forces and regulatory authorities.

The 2-year program commences in Year 11. Every Thursday will be a training day and other block times during the year will need to be met to complete this qualification.

- The program will provide students with 4 QCE points.
- This program will not count towards ATAR.
- Entry is strictly on an application basis and interviews will be a deciding factor through Aviation Australia.
- Thursday block days.

Certificate III in Visual Arts - Digital Imagery/Photography

On Premises Delivery

VET

This qualification reflects the role of individuals who are developing a range of visual art skills and who take responsibility for own outputs in work and learning. Practice at this level is underpinned by the application of introductory art theory and history.

This course will be delivered across 2 years and requires 4.5 hours per week across two years. Students will need to provide their own equipment for the course:

- Own DSLR or camera (recommendations can be made by the trainer)
- Own memory card
- Card reader
- Laptop preferably
- Photo printing paper for projects
- External hard drive (optional)
- Lightroom and Photoshop will be provided by the school.

This course will provide 8 Credits towards the QCE.

This course can be counted towards ATAR (with 4 General subjects)

COURSE CODE	PROGRAM NAME	FUNDING	FEES	QCE CREDITS	YEAR LEVELS OFFERED TO
AUR20716	Certificate II in Automotive Vocational Preparation (Light)	VETIS	PPE*	4	11 & 12
AUR20716	Certificate II in Automotive Vocational Preparation (Heavy)	VETIS	PPE*	4	11 & 12
AUR20416	Certificate II in Automotive Electrical Technology	VETIS	PPE*	4	11 & 12
MEM20413	Certificate II in Engineering Pathways (Diesel / Fabrication)	VETIS	PPE*	4	11 & 12
CPC10111	Certificate I in Construction	VETIS	PPE*	3	11 & 12
MSF20516	Certificate II in Furniture Making	VETIS	PPE*	4	11 & 12
52700WA	Certificate II in Plumbing	VETIS	PPE*	4	11 & 12
UEE22011	Certificate II in Electrotechnology (Career start)	VETIS	PPE*	4	11 & 12
TLI21815	Certificate II in Logistics	VETIS	PPE*	4	11 & 12
MAR20313	Certificate II in Maritime Operations (Coxswain Grade 1 Near Coastal)	VETIS	PPE*	4	11 & 12
HLT23215	Certificate II in Health Support Services	VETIS	Nil	4	11 & 12
HLT37315	Certificate III in Health Administration (Year 12 students only)	May not be eligible for VETIS funding. Fee For Service may apply.	Nil	8	12
SHB20216	Certificate II in Salon Assistant	VETIS	Nil	4	11 & 12
SHB20116	Certificate II in Retail Cosmetics	Fees Apply	\$1905.00	4	11 & 12
SIT20316	Certificate II in Hospitality	VETIS	Nil	4	11 & 12
SIT20116	Certificate II in Tourism	VETIS	Nil	4	11 & 12

PPE* – Personal Protective Equipment – students will need to purchase steel capped boots, drill or fluro work shirt, long work pants & safety glasses.

Distance Education

Offered via Brisbane School Of Distance Education

Other

Students who wish to study subjects which are not on offer, or which are not available at the time of subject selection, may choose to do so via Distance Education. Students who choose to study via Distance Education must show an aptitude for the subject and have demonstrated to a high degree an ability to study independently.

The Brisbane School of Distance Education offers the following courses. Note: If a course is run by Freshwater Christian College, students are not permitted to elect to study it via BSDE (according to their policies).

Brisbane School of Distance Education Courses (current in 2019)

Accounting	Ancient History
Biology	Business Studies *
Chemistry	Chinese
Dance Studio	Design
Digital Solutions	Economics
English	Essential English *
Essential Maths *	Food and Nutrition
General Maths	Mathematical Methods
Specialist Maths	French
Geography	German
Health	Information and Communication Technology *
Japanese	Legal Studies
Modern History	Music
Physics	Philosophy & Reason
Psychology	Science in Practice *
Social & Community Studies *	Spanish
Visual Art	Visual Art in Practice *

* = Applied Subject



PATHWAYS TO A PURPOSEFUL FUTURE

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