



**Highlands**  
**Christian College**

YEAR 11 & 12  
SUBJECT HANDBOOK

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# PREFACE

Paul tells us in the book of Romans that we should not be conformed to this world but be transformed by the renewing of our minds (Romans 12:2). As a College it is our desire to develop leaders who will not simply be a part of this world but will rise up to influence it in all areas of life; business, arts, politics, medicine, science. Our hope is that students will leave our College with more than just knowledge or information – but with a sense of Kingdom-mindedness and the skills and abilities to critically think, innovate and create.

The world that our students will lead, influence and be a part of has not yet even been imagined. So we must endeavour to prepare our students not just with information, but with skills, ethics and morals. We aim to prepare them with a sense of service and a passion for life-long and life-wide learning. We pray that they will learn for life and have a living, vibrant faith that is active in the world in which they live.

While students may not yet know what path the future holds for them, we encourage them to take every opportunity to give their best effort in all that they do. The purpose of this Curriculum Handbook is to assist students and parents in gaining some background information to the options available in subject selection.

*“Imagination is more important than knowledge. For knowledge is limited to all we now know and understand, while imagination embraces the entire world, and all there ever will be to know and understand.”* - Albert Einstein

## USING THIS BOOKLET

This booklet is designed to give students and their parent's 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 Highlands 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 Director of Senior Years and Careers & 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, let's face it, few of us as fifteen-year-olds had a clear picture of what we wanted to do the following year, let alone have our vocation sorted. 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 new QCE system 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.

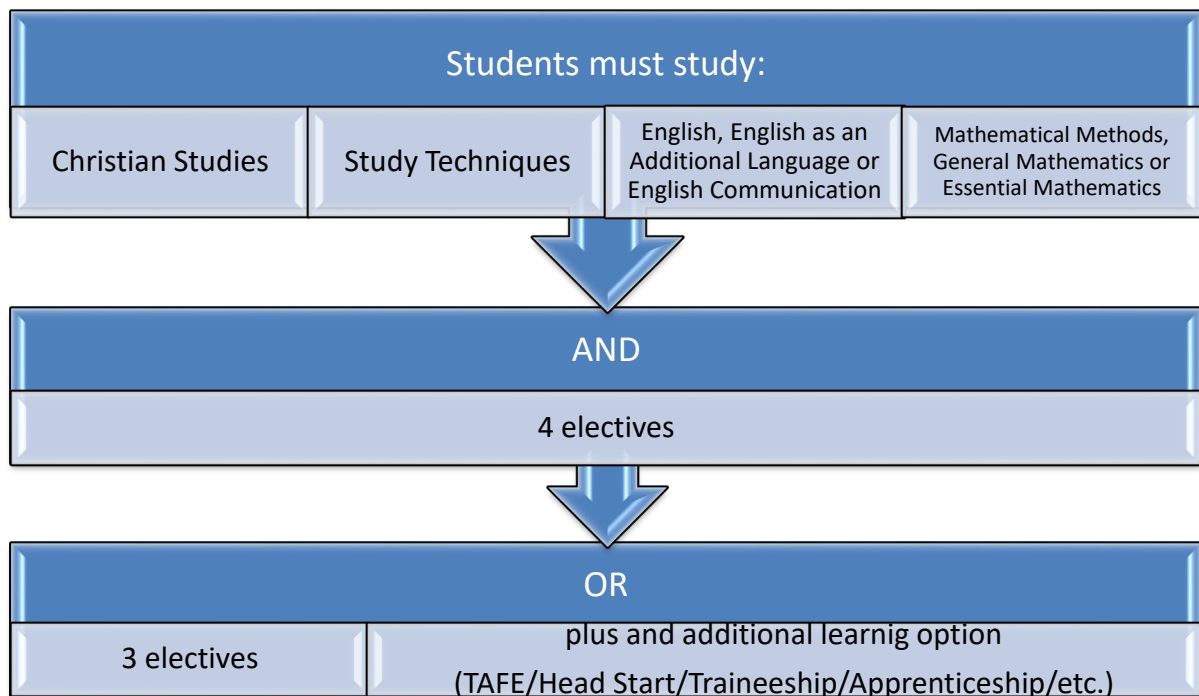
# CURRICULUM OVERVIEW

Students in Years 11 and 12 begin to study a more specialised course of subjects, their choice of subjects being based on their intended educational and/or career pursuits at a post-secondary level. The College offers a range of subjects based on QCAA syllabuses. There are two categories of subjects offered at Highlands. These are General and Applied subjects. 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. 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.

All senior students at Highlands complete one period of *Christian Studies* and *Study Techniques* each week. These are not QCCA subjects, but rather learning areas that align with the College Values and contribute to a holistic education. In addition, students need to choose six subjects to complete their timetable. It is compulsory for students to study English or English as Additional Language or English Communication and at least one Mathematics subject. In addition, most students will choose four elective subjects. This will satisfy the requirements for students to achieve an ATAR (Australian Tertiary Admission Rank)

Some students may wish to complete alternate studies as part of their academic program. Examples of such learning options are TAFE subjects and the University of Southern Queensland's *Head Start* program. Students may also wish to complete a school-based traineeship or apprenticeship. In such circumstances the College may allow a student to study only five timetabled subjects. The consequences of such decisions will be discussed prior to approval.

In summary:



# GENERAL MATHEMATICS

## *General senior subject*

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

**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*

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

**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*

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

## 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*

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

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

# ENGLISH

## *General senior subject*

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

## 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): <ul style="list-style-type: none"> <li>Extended response — written response for a public audience</li> </ul>	25%	Summative internal assessment 3 (IA3): <ul style="list-style-type: none"> <li>Extended response — imaginative written response</li> </ul>	25%
Summative internal assessment 2 (IA2): <ul style="list-style-type: none"> <li>Extended response — persuasive spoken response</li> </ul>	25%	Summative external assessment (EA): <ul style="list-style-type: none"> <li>Examination — analytical written response</li> </ul>	25%



# ENGLISH AS AN ADDITIONAL LANGUAGE

*General senior subject*

English as an Additional Language is designed for students for whom English is not their first or home language. It develops students' knowledge, understanding and language skills in Standard Australian English (SAE), and provides them with opportunities to develop higher-order thinking skills and to interpret and create texts for personal, cultural, social and aesthetic purposes.

Students have opportunities to engage with language and texts to foster the skills to communicate effectively in SAE for the purposes of responding to and creating literary and non-literary texts. They develop the language skills required to be competent users of written and spoken English in a variety of contexts, including academic contexts suitable for tertiary studies.

Students make choices about generic structures, language, textual features and technologies to best convey intended meaning in the most appropriate medium and genre. They explore the ways literary and non-literary texts may reflect or challenge social and cultural ways of thinking and influence audiences. Students develop empathy for others and appreciation of different perspectives through a study of a range of literary texts from diverse cultures and periods.

## **PATHWAYS**

A course of study in English as an Additional Language promotes not only language and literacy skills, but also 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
<b>Language, text and culture</b> <ul style="list-style-type: none"> <li>Examining and shaping representations of culture in texts</li> <li>Responding to a variety of media and literary texts</li> <li>Creating analytical and persuasive texts</li> </ul>	<b>Perspectives in texts</b> <ul style="list-style-type: none"> <li>Examining and shaping perspectives in texts</li> <li>Responding to literary texts, including a focus on Australian texts</li> <li>Creating imaginative and analytical texts</li> </ul>	<b>Issues, ideas and attitudes</b> <ul style="list-style-type: none"> <li>Exploring representations of issues, ideas and attitudes in texts</li> <li>Responding to literary and persuasive texts</li> <li>Creating analytical and persuasive texts</li> </ul>	<b>Close study of literary texts</b> <ul style="list-style-type: none"> <li>Engaging with literary texts from diverse times and places</li> <li>Responding to literary texts creatively and critically</li> <li>Creating imaginative and analytical texts</li> </ul>

**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): <ul style="list-style-type: none"> <li>Examination – analytical written response</li> </ul>	25%	Summative internal assessment 3 (IA3): <ul style="list-style-type: none"> <li>Extended response – imaginative spoken/multimodal response</li> </ul>	25%
Summative internal assessment 2 (IA2): <ul style="list-style-type: none"> <li>Extended response – persuasive written response</li> </ul>	25%	Summative external assessment (EA): <ul style="list-style-type: none"> <li>Examination – analytical extended response</li> </ul>	25%

# ESSENTIAL ENGLISH

*Applied senior subject*

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

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

# LEGAL STUDIES

*General senior subject*

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

## 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%

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# MODERN HISTORY

*General senior subject*

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
<p><b>Ideas in the modern world</b></p> <ul style="list-style-type: none"> <li>• Australian Frontier Wars, 1788–1930s</li> <li>• Age of Enlightenment, 1750s–1789</li> <li>• Industrial Revolution, 1760s–1890s</li> <li>• American Revolution, 1763–1783</li> <li>• French Revolution, 1789–1799</li> <li>• Age of Imperialism, 1848–1914</li> <li>• Meiji Restoration, 1868–1912</li> </ul>	<p><b>Movements in the modern world</b></p> <ul style="list-style-type: none"> <li>• Australian Indigenous rights movement since 1967</li> <li>• Independence movement in India, 1857–1947</li> <li>• Workers’ movement since the 1860s</li> <li>• Women’s movement since 1893</li> <li>• May Fourth Movement in China, 1919</li> <li>• Independence movement in Algeria, 1945–1962</li> </ul>	<p><b>National experiences in the modern world</b></p> <ul style="list-style-type: none"> <li>• Australia, 1914–1949</li> <li>• England, 1707–1837</li> <li>• France, 1799–1815</li> <li>• New Zealand, 1841–1934</li> <li>• Germany, 1914–1945</li> <li>• United States of America, 1917–1945</li> <li>• Soviet Union, 1920s–1945</li> <li>• Japan, 1931–1967</li> <li>• China, 1931–1976</li> <li>• Indonesia, 1942–1975</li> <li>• India, 1947–1974</li> <li>• Israel, 1948–1993</li> </ul>	<p><b>International experiences in the modern world</b></p> <ul style="list-style-type: none"> <li>• Australian engagement with Asia since 1945</li> <li>• Search for collective peace and security since 1815</li> <li>• Trade and commerce between nations since 1833</li> <li>• Mass migrations since 1848</li> <li>• Information Age since 1936</li> <li>• Genocides and ethnic cleansings since 1941</li> <li>• Nuclear Age since 1945</li> <li>• Cold War, 1945–1991</li> </ul>
<ul style="list-style-type: none"> <li>• Boxer Rebellion, 1900–1901</li> <li>• Russian Revolution, 1905–1920s</li> <li>• Xinhai Revolution, 1911–1912</li> <li>• Iranian Revolution, 1977–1979</li> </ul>	<ul style="list-style-type: none"> <li>• Independence movement in Vietnam, 1945–1975</li> <li>• Anti-apartheid movement in South Africa, 1948–1991</li> <li>• African-American civil rights movement, 1954–1968</li> <li>• Environmental movement since the 1960s</li> </ul>	<ul style="list-style-type: none"> <li>• South Korea, 1948–1972</li> </ul>	<ul style="list-style-type: none"> <li>• Struggle for peace in the Middle East since 1948</li> <li>• Cultural globalisation since 1956</li> <li>• Space exploration since 1957</li> <li>• Rights and recognition of First Peoples since 1982</li> </ul>



Unit 1	Unit 2	Unit 3	Unit 4
<ul style="list-style-type: none"> <li>• Arab Spring since 2010</li> <li>• Alternative topic for Unit 1</li> </ul>	<ul style="list-style-type: none"> <li>• LGBTIQ civil rights movement since 1969</li> <li>• Pro-democracy movement in Myanmar (Burma) since 1988</li> <li>• Alternative topic for Unit 2</li> </ul>		<ul style="list-style-type: none"> <li>• Terrorism, anti-terrorism and counter-terrorism since 1984</li> </ul>

## 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): <ul style="list-style-type: none"> <li>• Examination — essay in response to historical sources</li> </ul>	25%	Summative internal assessment 3 (IA3): <ul style="list-style-type: none"> <li>• Investigation — historical essay based on research</li> </ul>	25%
Summative internal assessment 2 (IA2): <ul style="list-style-type: none"> <li>• Independent source investigation</li> </ul>	25%	Summative external assessment (EA): <ul style="list-style-type: none"> <li>• Examination — short responses to historical sources</li> </ul>	25%

# BUSINESS STUDIES

*Applied senior subject*

Business Studies provides opportunities for students to develop practical business knowledge, understanding and skills for use, participation and work in a range of business contexts.

Students develop their business knowledge and understanding through applying business practices and business functions in business contexts, analysing business information and proposing and implementing outcomes and solutions in business contexts.

Students develop effective decision-making skills and learn how to plan, implement and evaluate business outcomes and solutions, resulting in improved economic, consumer and financial literacy.

## PATHWAYS

A course of study in Business Studies can establish a basis for further education and employment in office administration, data entry, retail, sales, reception, small business, finance administration, public relations, property management, events administration and marketing.

## OBJECTIVES

- By the end of the course of study, students should:
- describe concepts and ideas related to business functions
- explain concepts and ideas related to business functions
- demonstrate processes, procedures and skills related to business functions to complete tasks
- analyse business information related to business functions and contexts
- apply knowledge, understanding and skills related to business functions and contexts
- use language conventions and features to communicate ideas and information
- make and justify decisions for business solutions and outcomes
- plan and organise business solutions and outcomes
- evaluate business decisions, solutions and outcomes

## STRUCTURE

The Business Studies course is designed around core and elective topics. The elective learning occurs through business contexts.

Core topics	Elective topics	
Business practices, consisting of Business fundamentals, Financial literacy, Business communication and Business technology	Entertainment	Not-for-profit
Business functions, consisting of Working in administration, Working in finance, Working with customers and Working in marketing	Events management	Real estate
	Financial services	Retail
	Health and well-being	Rural
	Insurance	Sports management
	Legal	Technical, e.g. manufacturing, construction, engineering
	Media	Tourism
Mining	Travel	

## ASSESSMENT

For Business Studies, assessment from Units 3 and 4 is used to determine the student's exit result, and consists of four instruments from at least three different assessment techniques, including:

- at least one project
- no more than two assessment instruments from any one technique.

Project	Extended response	Examination
A response to a single task, situation and/or scenario.	A technique that assesses the interpretation, analysis/examination and/or evaluation of ideas and information in provided stimulus materials.	A response that answers a number of provided questions, scenarios and/or problems.
At least two different components from the following: written: 500–900 words spoken: 2½–3½ minutes multimodal: 3–6 minutes performance: continuous class time product: continuous class time.	Presented in one of the following modes: written: 600–1000 words spoken: 3–4 minutes multimodal: 4–7 minutes.	60–90 minutes 50–250 words per item on the test

# DESIGN

*General senior subject*

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

**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%

# INDUSTRIAL TECHNOLOGY SKILLS

*Applied senior subject*

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"> <li>• Industry practices</li> <li>• Production processes</li> </ul>	Aeroskills	<ul style="list-style-type: none"> <li>• Aeroskills mechanical</li> <li>• Aeroskills structures</li> </ul>
	Automotive	<ul style="list-style-type: none"> <li>• Automotive mechanical</li> <li>• Automotive body repair</li> <li>• Automotive electrical</li> </ul>
	Building and construction	<ul style="list-style-type: none"> <li>• Bricklaying</li> <li>• Plastering and painting</li> <li>• Concreting</li> <li>• Carpentry</li> <li>• Tiling</li> <li>• Landscaping</li> </ul>
	Engineering	<ul style="list-style-type: none"> <li>• Sheet metal working</li> <li>• Welding and fabrication</li> <li>• Fitting and machining</li> </ul>
	Furnishing	<ul style="list-style-type: none"> <li>• Cabinet-making</li> <li>• Furniture finishing</li> <li>• Furniture-making</li> <li>• Glazing and framing</li> <li>• Upholstery</li> </ul>
	Industrial graphics	<ul style="list-style-type: none"> <li>• Engineering drafting</li> <li>• Building and construction drafting</li> <li>• Furnishing drafting</li> </ul>
	Plastics	<ul style="list-style-type: none"> <li>• Thermoplastics fabrication</li> <li>• Thermosetting fabrication</li> </ul>

**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"> <li>• written: 500–900 words</li> <li>• spoken: 2½–3½ minutes</li> <li>• multimodal <ul style="list-style-type: none"> <li>– non-presentation: 8 A4 pages max (or equivalent)</li> <li>– presentation: 3–6 minutes</li> </ul> </li> <li>• product: continuous class time.</li> </ul>	Students demonstrate production skills and procedures in class under teacher supervision.	<ul style="list-style-type: none"> <li>• 60–90 minutes</li> <li>• 50–250 words per item</li> </ul>



# PHYSICAL EDUCATION

*General senior subject*

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

## 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*

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

**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*

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

## 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*

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

**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			



# DRAMA

*General senior subject*

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

## 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			

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# FILM, TELEVISION & NEW MEDIA

*General senior subject*

Film, Television & New Media fosters creative and expressive communication. It explores the five key concepts of technologies, representations, audiences, institutions and languages.

Students learn about film, television and new media as our primary sources of information and entertainment. They understand that film, television and new media are important channels for educational and cultural exchange, and are fundamental to our self-expression and representation as individuals and as communities.

Students creatively apply film, television and new media key concepts to individually and collaboratively make moving-image media products, and investigate and respond to moving-image media content and production contexts. Students develop a respect for diverse perspectives and a critical awareness of the expressive, functional and creative potential of moving-image media in a diverse range of global contexts. They develop knowledge and skills in creative thinking, communication, collaboration, planning, critical analysis, and digital and ethical citizenship.

## **PATHWAYS**

A course of study in Film, Television & New Media can establish a basis for further education and employment in the fields of information technologies, creative industries, cultural institutions, and diverse fields that use skills inherent in the subject, including advertising, arts administration and management, communication, design, education, film and television, and public relations.

## **OBJECTIVES**

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

- explain the features of moving-image media content and practices
- symbolise conceptual ideas and stories
- construct proposals and construct moving-image media products
- apply literacy skills
- analyse moving-image products and contexts of production and use
- structure visual, audio and text elements to make moving-image media products
- experiment with ideas for moving-image media products
- appraise film, television and new media products, practices and viewpoints
- synthesise visual, audio and text elements to solve conceptual and creative problems.

**STRUCTURE**

Unit 1	Unit 2	Unit 3	Unit 4
<p><b>Foundation</b></p> <ul style="list-style-type: none"> <li>• Concept: technologies</li> </ul> <p>How are tools and associated processes used to create meaning?</p> <ul style="list-style-type: none"> <li>• Concept: institutions</li> </ul> <p>How are institutional practices influenced by social, political and economic factors?</p> <ul style="list-style-type: none"> <li>• Concept: languages</li> </ul> <p>How do signs and symbols, codes and conventions create meaning?</p>	<p><b>Story forms</b></p> <ul style="list-style-type: none"> <li>• Concept: representations</li> </ul> <p>How do representations function in story forms?</p> <ul style="list-style-type: none"> <li>• Concept: audiences</li> </ul> <p>How does the relationship between story forms and meaning change in different contexts?</p> <ul style="list-style-type: none"> <li>• Concept: languages</li> </ul> <p>How are media languages used to construct stories?</p>	<p><b>Participation</b></p> <ul style="list-style-type: none"> <li>• Concept: technologies</li> </ul> <p>How do technologies enable or constrain participation?</p> <ul style="list-style-type: none"> <li>• Concept: audiences</li> </ul> <p>How do different contexts and purposes impact the participation of individuals and cultural groups?</p> <ul style="list-style-type: none"> <li>• Concept: institutions</li> </ul> <p>How is participation in institutional practices influenced by social, political and economic factors?</p>	<p><b>Identity</b></p> <ul style="list-style-type: none"> <li>• Concept: technologies</li> </ul> <p>How do media artists experiment with technological practices?</p> <ul style="list-style-type: none"> <li>• Concept: representations</li> </ul> <p>How do media artists portray people, places, events, ideas and emotions?</p> <ul style="list-style-type: none"> <li>• Concept: languages</li> </ul> <p>How do media artists use signs, symbols, codes and conventions in experimental ways to create meaning?</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): • Case study investigation	15%	Summative internal assessment 3 (IA3): • Stylistic project	35%
Summative internal assessment 2 (IA2): • Multi-platform project	25%		
Summative external assessment (EA): 25% • Examination — extended response			

# MUSIC

*General senior subject*

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><b>Designs</b> 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><b>Identities</b> 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><b>Innovations</b> 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><b>Narratives</b> 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			

# MUSIC EXTENSION (COMPOSITION)

*General senior subject (Studied in Year 12 only)*

Music Extension (Composition) is an extension of the Music General senior syllabus. It provides an opportunity for students with specific abilities in music to extend their expertise.

Students select one specialisation only and follow an individual program of study designed to continue the development of refined musicianship skills. Music Extension encourages students to investigate music concepts and ideas relevant to their specialisation.

In the Composition specialisation (making), students create and resolve new music works. They demonstrate use of music concepts and manipulate music concepts to express meaning and/or emotion to an audience through resolved compositions.

## **PATHWAYS**

A course of study in Music Extension 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:

- apply literary skills
- evaluate music and ideas about music
- examine music and ideas about music
- express meaning, emotion or ideas about music
- apply compositional devices
- manipulate music elements and concepts
- resolve music ideas.

**STRUCTURE**

Unit 3	Unit 4
<b>Explore</b> <ul style="list-style-type: none"> <li>• Key idea 1: Initiate best practice</li> <li>• Key idea 2: Consolidate best practice</li> </ul>	<b>Emerge</b> <ul style="list-style-type: none"> <li>• Key idea 3: Independent best practice</li> </ul>

**ASSESSMENT**

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): • Composition 1	20%	Summative internal assessment 3 (IA3): • Composition project	35%
Summative internal assessment 2 (IA2): • Composition 2	20%		
Summative external assessment (EA): 25%			
Examination — extended response			



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# MUSIC EXTENSION (MUSICOLOGY)

*General senior subject (Studied in Year 12 only)*

Music Extension (Musicology) is an extension of the Music General senior syllabus. It provides an opportunity for students with specific abilities in music to extend their expertise. Students select one specialisation only and follow an individual program of study designed to continue the development of refined musicianship skills. Music Extension encourages students to investigate music concepts and ideas relevant to their specialisation.

In the Musicology specialisation (responding), students investigate and analyse music works and ideas. They synthesise analytical information about music, and document sources and references about music to support research.

## **PATHWAYS**

A course of study in Music Extension 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:

- apply literary skills
- evaluate music and ideas about music
- examine music and ideas about music
- express meaning, emotion or ideas about music
- analyse music
- investigate music
- synthesise information

**STRUCTURE**

Unit 3	Unit 4
<b>Explore</b> <ul style="list-style-type: none"> <li>• Key idea 1: Initiate best practice</li> <li>• Key idea 2: Consolidate best practice</li> </ul>	<b>Emerge</b> <ul style="list-style-type: none"> <li>• Key idea 3: Independent best practice</li> </ul>

**ASSESSMENT**

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 1	20%	Summative internal assessment 3 (IA3): • Musicology project	35%
Summative internal assessment 2 (IA2): • Investigation 2	20%		
Summative external assessment (EA): 25% • Examination — extended response			

# MUSIC EXTENSION (PERFORMANCE)

*General senior subject (Studied in Year 12 only)*

Music Extension (Performance) is an extension of the Music General senior syllabus. It provides an opportunity for students with specific abilities in music to extend their expertise. Students select one specialisation only and follow an individual program of study designed to continue the development of refined musicianship skills. Music Extension encourages students to investigate music concepts and ideas relevant to their specialisation.

In the Performance specialisation (making), students realise music works, demonstrating technical skills and understanding. They make decisions about music, interpret music elements and concepts, and express music ideas to realise their performances.

## **PATHWAYS**

A course of study in Music Extension 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:

- apply literary skills
- evaluate music and ideas about music
- examine music and ideas about music
- express meaning, emotion or ideas about music
- apply technical skills
- interpret music elements and concepts
- realise music ideas.

**STRUCTURE**

Unit 3	Unit 4
<b>Explore</b> <ul style="list-style-type: none"> <li>• Key idea 1: Initiate best practice</li> <li>• Key idea 2: Consolidate best practice</li> </ul>	<b>Emerge</b> <ul style="list-style-type: none"> <li>• Key idea 3: Independent best practice</li> </ul>

**ASSESSMENT**

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 1	20%	Summative internal assessment 3 (IA3): • Performance project	35%
Summative internal assessment 2 (IA2): • Investigation 2	20%		
Summative external assessment (EA): 25% • Examination — extended response			

# VISUAL ART

## *General senior subject*

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

**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			

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# ALTERNATIVE PATHWAYS

Students have the option to select an alternative course on offer in place of a sixth subject.

These courses are:

## **HEAD START** – *See page 56*

The University of Southern Queensland offers school students the opportunity to study one unit of a university course over one semester. Students can commence a Head Start course any time between Semester 2 of Year 10 through to Semester 1 of Year 12.

Course Prerequisite:            Student must have a B average in all subjects.

## **TAFE COURSES** – *See page 58*

Course Prerequisite:            Student must be currently in Year 11.

## **SCHOOL-BASED TRAINEESHIPS AND APPRENTICESHIPS** - *See page 60*

## HEAD START COURSES OFFERED IN 2019

<b>COURSES AVAILABLE 2019 – Semester 1</b>
ACC1101 Accounting for Decision-Making
ECO1000 Economics
FIN1101 Introduction to Corporate Finance
MGT1000 Organisational Behaviour
MGT1001 Foundations of Human Resource Management
MKT1001 Introduction to Marketing
POL1000 Government, Business and Society
FTR1000 Elements of Graphic Design
FTR1002 Fundamentals of Media
FTR1003 Cinematic Language
MUI1007 Making Music 1: Learning Musical Languages
MUI2002 Making Music 3: Popular Song Writing
MUI2006 Musical Contexts 2: Western Popular Music
THE1001 Theatre in Context 1: Sophocles to Shakespeare
VSA1002 Introduction to Contemporary Art Practice
ECL1100 Language Development and Early Literacy Learning
ECM1100 Early Mathematical Thinking
EDH1150 Physical Activity in Society
EDH2151 Practical Studies in Movement
EDX1450 HPE Curriculum Studies 1
ESD1100 Adolescence to Adulthood Development
ESF1100 The Educator as Professional
ELE1301 Computer Engineering
ELE1502 Electronic Circuits
ENG1002 Introduction to Engineering and Spatial Science Applications
ENG1100 Introduction to Engineering Design
GIS1402 Geographic Information Systems
MEC1201 Engineering Materials
CDS1000 Community Welfare and Development
NUR1102 Literacies and Communication for Health Care



**COURSES AVAILABLE 2019 – Semester 1**

NUR1120 Health and Illness

PSY1010 Foundation Psychology A

ADV1001 Introduction to Advertising

ANT1001 Introductory Anthropology

CMS1000 Communication and Scholarship

CMS1010 Introduction to Communication Studies

ENL1000 Introduction to Literature

HIS1000 World History to 1500 CE

INR1000 International Relations in a Globalizing Era

JRN1010 News Literacy

PRL1002 Principles and Practice of Public Relations

PRL2003 Writing for Public Relations

SOC1000 Approaches to the Social Sciences

CIS1000 Information Systems Concepts

CSC1401 Foundation Programming

LAW1101 Introduction to Law\*

LAW1111 Australian Legal System

LAW1112 Legal Writing and Research

MAT1101 Discrete Mathematics for Computing

STA2300 Data Analysis

BIO1101 Biology 1\*

BIO1203 Human Anatomy and Physiology 1\*

BIO1810 Introduction to Food Science

CHE1110 Chemistry 1\*

CLI1110 Weather and Climate

REN1201 Environmental Studies

SCI1001 Succeeding in Science

## VOCATIONAL EDUCATIONAL PROGRAMS

Highlands Christian College recognizes that training students for involvement in vocational areas requires teamwork between school, home, training organizations and industry. The two options offered are; a course with the TAFE or a trainee/ apprenticeship. Most of these courses run for 18 months to 2 years. An expression of interest form must be completed and handed to the VET coordinator (Mrs. Palmer).

### TAFE COURSES

In place of a sixth subject, students have the choice to attend a Vocational Certificate course at TAFE in Toowoomba. This requires the student to attend TAFE during school hours and catch up school work missed. Students choosing TAFE Release courses need to be aware of the following:

### COSTS

Some of these courses will incur a cost.

- Clothing Costs – some subjects require special clothing (e.g. welding goggles, steel-cap boots, etc.)
- Transport Costs – it will be the student's own responsibility to arrange transport to TAFE.

### TIME MANAGEMENT

Because students will replace a subject with the course they will have five *Independent Work Line* periods on their timetable. They will be expected to use this time wisely to catch up on the work that they miss because of their TAFE commitments.

### TAFE SOUTH WEST COURSES 2019

TAFE at Schools Guide can be found here: [tafesouthwest.edu.au](http://tafesouthwest.edu.au)

SHB30115	Certificate III in Beauty Services	Toowoomba	6 Terms	\$3,600
SIT20116/SIT30516	Certificate II in Tourism and Certificate III in Events	Toowoomba	4 Terms	\$420
SIT20316/SIT30616	Certificate II in Hospitality and Certificate III in Hospitality	Toowoomba, Roma, Warwick	6 Terms	\$1,600
SIT20416/SIT30916	Certificate II in Kitchen Operations and Certificate III in Catering Operations	Toowoomba, Warwick	6 Terms	\$4,400
SHB20216	Certificate II in Salon Assistant	Toowoomba, Oakey State High School	4 Terms	VETIS Funded*
SIR30216	Certificate III in Retail	Toowoomba, Dalby, Warwick	3 Terms	\$2,655
HLT23215	Certificate II in Health Services Assistance	Toowoomba, Warwick, Charleville	4 Terms	VETIS Funded*

HLT33115	Certificate III in Health Services Assistance	Toowoomba	4 Terms	\$800
CHC22015	Certificate II in Community Services	External	4 Terms	VETIS Funded*
AUR20716	Certificate II in Automotive Vocational Preparation	Toowoomba, Warwick, Dalby	4 Terms	VETIS Funded*
CPC10111	Certificate I in Construction	Toowoomba, Warwick, Dalby	4 Terms	VETIS Funded*
UEE22011	Certificate II in Electro technology (Career Start)	Toowoomba	4 Terms	VETIS Funded*
MEM20105	Certificate II in Engineering	Toowoomba, Dalby, Warwick	4 Terms	VETIS Funded*
MEM30505	Certificate III in Engineering - Technical	Toowoomba	4 Terms	\$3,170
ICT30115	Certificate III in Information, Digital Media and Technology	Toowoomba	4 Terms	\$2,940
AUC	Accelerate to Diploma of Information Technology (Systems Administration)	Toowoomba	4 Terms	\$2,795
AUC	Accelerate to Diploma of Information Technology (Web Development)	Toowoomba	4 Terms	\$2,795
CUA30715	Certificate III in Design Fundamentals	Toowoomba	6 Terms	\$2,880
10283NAT	Certificate IV in Crime and Justice Studies	Toowoomba Toowoomba, Dalby,	4 Terms	\$2,500
CHC30113	Certificate III in Early Childhood Education and Care	Warwick	8 Terms	\$2,880
BSB30415	Certificate III in Business Administration	Toowoomba	4 Terms	\$2,040
AHC21216	Certificate II in Rural Operations (Horticulture Stream)	Toowoomba	4 Terms	VETIS Funded*
AHC21216	Certificate II in Rural Operations	Warwick, Roma, Charleville	4 Terms	VETIS Funded*
SIT20316	Certificate II in Hospitality	Toowoomba, Warwick	4 Terms	VETIS Funded*
SIT20416	Certificate II in Kitchen Operations	Toowoomba, Warwick	4 Terms	VETIS Funded*
52700WA	Certificate II in Plumbing	Toowoomba	4 Terms	VETIS Funded*

## SCHOOL-BASED TRAINEESHIPS AND APPRENTICESHIPS

One valuable option for students is to undertake a school-based traineeship/apprenticeship. Students will receive a qualification and get paid for their work.

The College will assist students who secure school-based traineeships or apprenticeships that operate parallel to their senior schooling. However, the College is not responsible for finding Traineeship placements.

### The components of the School Based Traineeships are:

1. Students will complete a normal Year 11 and 12 schooling.
2. Students will be involved in paid part-time work associated with the traineeship. This employment needs to total 50 days per calendar year.
3. Students will undertake vocational training with a registered training organisation to complete appropriate vocational certificates.

### Some of the features of School Based Traineeships are:

- Employers receive incentive payments from the Government
- Although we endeavour to find training organizations who do not charge the gap, a training fee may be charged
- Queensland Department of Industry, Training and Industrial Relations monitor the School Based Traineeship agreements.
- After completion of Year 12, if students have not completed they may choose to continue their traineeship as a full- time or part-time traineeship if the employer is agreeable.

### OTHER INFORMATION

Senior schooling in Queensland is changing to help give students the skills for success in work and life in the future. Across senior subjects, students will acquire 21st century skills to support them as lifelong learners, valued employees, innovators and engaged global citizens.

Under the new QCE system, students can still choose from a wide range of subjects and courses to suit their work and study goals. Assessment will change in QCAA General subjects with the introduction of common external assessments.

From 2020, there will also be a new way to rank students who wish to apply for university. The Australian Tertiary Admission Rank (ATAR) will be used to rank eligible Year 12 graduates, rather than the Overall Position (OP). ATARs will be calculated and issued by the Queensland Tertiary Admissions Centre (QTAC). Visit QTAC for details: [www.qtac.edu.au/for-schools/atar-information](http://www.qtac.edu.au/for-schools/atar-information)

## SENIOR EDUCATION PROFILE

Queensland students receive a Senior Education Profile from the QCAA when they complete Year 12. All students receive a statement of results, which is a transcript of their learning account. Eligible students also receive a QCE. Students who are not eligible for the QCE at the end of Year 12 will continue to accrue credit and will receive an updated statement of results and a QCE when eligible.

## STATEMENT OF RESULTS

The statement of results is a transcript of a student's learning account. It shows all contributing studies and the results achieved.



# QCE

The QCE is Queensland's senior secondary schooling qualification. To be issued with a QCE, students need to complete the set amount of learning, at the set standard, in a set pattern, while meeting literacy and numeracy requirements.

The Queensland Certificate of Education (QCE) is Queensland's senior secondary schooling qualification. It is internationally recognised and provides evidence of senior schooling achievements.

The flexibility of the QCE means that students can choose from a wide range of learning options to suit their interests and career goals. Most students will plan their QCE pathway in Year 10 when choosing senior courses of study.

Highlands will help students develop their individual plan and a QCAA learning account will be opened.

To receive a QCE, students must achieve the set amount of learning, at the set standard, in a set pattern, while meeting literacy and numeracy requirements. The QCE is issued to eligible students when they meet all the requirements, either at the completion of Year 12, or after they have left school.

## QCE REQUIREMENTS

As well as meeting the below requirements, students must have an open learning account before starting the QCE and accrue a minimum of one credit from a Core course of study while enrolled at a Queensland school.

### Set amount

20 credits from contributing courses of study, including:

- QCAA-developed subjects or courses
- vocational education and training (VET) qualifications
- non-Queensland studies
- recognised studies.

### Set pattern

12 credits from completed Core courses of study and 8 credits from any combination of:

- Core
- Preparatory (maximum 4)
- Complementary (maximum 8).

### Set standard

Satisfactory completion, grade of C or better, competency or qualification completion, pass or equivalent.

### Literacy & numeracy

Students must meet literacy and numeracy requirements through one of the available learning options.

## QCE contd.

Within the set pattern requirement, there are three categories of learning — Core, Preparatory and Complementary. When the set standard is met, credit will accrue in a student’s learning account. To meet the set pattern requirement for a QCE, at least 12 credits must be accrued from completed Core courses of study. The remaining 8 credits may accrue from a combination of Core, Preparatory or Complementary courses of study.

● <b>Core:</b> At least 12 credits must come from completed Core courses of study	
COURSE	QCE CREDITS PER COURSE
QCAA General subjects and Applied subjects	up to 4
QCAA General Extension subjects	up to 2
QCAA General Senior External Examination subjects	up to 4
Certificate II qualifications	up to 4
Certificate III and IV qualifications (includes traineeships)	up to 8
School-based apprenticeships	up to 6
Recognised studies categorised as Core	as recognised by QCAA
● <b>Preparatory:</b> A maximum of 4 credits can come from Preparatory courses of study	
QCAA Short Courses	
• QCAA Short Course in Literacy	up to 1
• QCAA Short Course in Numeracy	
Certificate I qualifications	up to 3
Recognised studies categorised as Preparatory	as recognised by QCAA
● <b>Complementary:</b> A maximum of 8 credits can come from Complementary courses of study	
QCAA Short Courses	
• QCAA Short Course in Aboriginal & Torres Strait Islander Languages	up to 1
• QCAA Short Course in Career Education	
University subjects	up to 4
Diplomas and Advanced Diplomas	up to 8
Recognised studies categorised as Complementary	as recognised by QCAA

The literacy and numeracy requirements for a QCE meet the standards outlined in the Australian Core Skills Framework (ACSF) Level 3. To meet the literacy and numeracy requirement for the QCE, a student must achieve the set standard in one of the literacy and one of the numeracy learning options:

● <b>Literacy</b>	● <b>Numeracy</b>
<ul style="list-style-type: none"> <li>• QCAA General or Applied English subjects</li> <li>• QCAA Short Course in Literacy</li> <li>• Senior External Examination in a QCAA English subject</li> <li>• FSK20113 Certificate II in Skills for Work and Vocational Pathways</li> <li>• International Baccalaureate examination in approved English subjects</li> <li>• Recognised studies listed as meeting literacy requirements</li> </ul>	<ul style="list-style-type: none"> <li>• QCAA General or Applied Mathematics subjects</li> <li>• QCAA Short Course in Numeracy</li> <li>• Senior External Examination in a QCAA Mathematics subject</li> <li>• FSK20113 Certificate II in Skills for Work and Vocational Pathways</li> <li>• International Baccalaureate examination in approved Mathematics subjects</li> <li>• Recognised studies listed as meeting numeracy requirements</li> </ul>

## USEFUL CONTACTS

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Mrs Gayle Dixon.....Director of Arts  
Mr John Werth.....Director of STEM  
Mrs Jennine Laird.....Director of Sports  
Mrs Belinda Bray.....Director of Wellbeing