



St Paul's School

SUBJECT SELECTION
YEAR 11
2021



create your own story!

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HEAD OF STUDIES SENIOR PATHWAYS

Mr Glen Smith

PREPARING FOR THE SENIOR PHASE OF LEARNING

Years 11 and 12 offers a real challenge for students. More responsibility rests with the student and regular study is essential if success is to be achieved. The increase in the amount of time required for homework and private study is quite substantial.

Students will work towards achieving Queensland's senior secondary schooling qualification, the Queensland Certificate of Education (QCE). Awarded by the Queensland Curriculum and Assessment Authority (QCAA), it is internationally recognised and provides evidence of senior schooling achievements. Students will also be given an opportunity to complement their studies with a Study Skills Program, Religious Education, Recreational Physical Education, or enrolment in either an internally or externally provided Certificate Course.

The flexibility of the QCE means that students can choose from a wide range of learning options to suit their interests and career goals. 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.

Students who intend to go to university should also plan their senior studies to meet the Queensland Tertiary Admission Centre (QTAC) eligibility requirements for an Australian Tertiary Admission Rank (ATAR).

Students' choices of subjects should reflect the areas in which they excel and enjoy.

Option 1:

- Maximum of 5 General subjects. (QCE and ATAR eligible)

Option 2:

- Minimum of 4 General subjects, plus 1 from an Applied subject or Certificate III, or Certificate IV, or Diploma, or Advanced Diploma. (QCE and ATAR eligible)

Option 3:

- Maximum of 5 General subjects or Applied subjects that best suit the student's pathway. (QCE eligible)

Note: All the options give the students an opportunity to gain a QCE, with the first two options also allowing students to be eligible for an ATAR.

The five subjects, comprising Option 1, 2 or 3, will be chosen from the list offered in this book. Included in that list are subjects designed to cater for the full range of students' interests and abilities, including subjects which are more practical and are designed for those students who intend to enter directly into employment and/or training. They offer the opportunity to develop important job and life skills. It is compulsory to study one English subject. In selecting subjects, students should be aware that subjects fall into the following categories:

GENERAL SUBJECTS

These are subjects which the QCAA has developed to prepare students for further study on completion of school. A minimum of four of these subjects plus one from an Applied subject, Certificate III, or Certificate IV, or Diploma, or Advanced diploma are required for the calculation of the ATAR. A pass in an English subject is also a requirement for students to gain an ATAR.

APPLIED SUBJECTS

Applied subjects are more practical in nature, but they can also be used to attain a QCE and one Applied subject can be used in the calculation of an ATAR. These subjects are: Essential Mathematics, Essential English, Engineering Skills, Hospitality Practices, Information & Communication Technology and Industrial Technology Skills.

VOCATIONAL EDUCATION AND TRAINING (VET)

VET courses can lead to nationally recognised Australian Quality Framework (AQF) qualifications as either Certificates or Statements of Attainment. These courses provide students with workplace experience and skills whilst still at school.

Students choosing vocational subjects where they will be seeking to achieve nationally endorsed competency standards need to check whether structured work placement or industry placement is a requirement. This will need to be considered as students will not be at school during these times and this may impact upon their learning in other subjects. Students are expected to negotiate alternate arrangements with relevant teachers.

UNIVERSITY HEADSTART PROGRAMS

Some universities offer Head Start programs for high achieving Year 11 and Year 12 students where they can complete one university subject whilst still at school. These programs aim to prepare students for university by experiencing classes, completing assessment and enjoying campus life. It can also be a great way to trial potential study areas. Students who successfully complete a Head Start program may receive credit for their completed course should they later enrol at the same university in that degree. The Head Start program also counts towards a student's QCE. Students can study a wide range of programs including Business & Economics, People & Culture, Science, Maths and the Environment as well as Languages.

Please contact Mr Glen Smith, Head of Studies Senior Pathways if you would like to enrol.

To find out more, contact the universities directly. Below are some helpful links:

<https://esp.uq.edu.au/>

<https://www.qut.edu.au/study/study-options/start-qut>

<https://www.usc.edu.au/learn/courses-and-programs/headstart-program-year-11-and-12-students>

QUEENSLAND CERTIFICATE OF EDUCATION (QCE)

Mr Glen Smith

HOW DOES THE QCE WORK?

The QCE recognises broad learning options and offers flexibility in what is learnt, as well as where and when learning occurs. A wide range of learning can contribute towards the QCE, including senior school subjects, vocational education and training (VET), QCAA Short Courses, workplace learning recognised by the QCAA and university subjects undertaken while at school. Achievements in different types of learning attract different credit values. A credit is the minimum amount of learning at the set standard that can contribute towards the QCE. Students must have at least 20 credits in the required pattern and fulfil other requirements to be awarded a QCE.

<https://www.qcaa.qld.edu.au/senior/certificates-and-qualifications/qce-qcia-handbook/2-qce/2.1-eligibility>

PLANNING FOR A QCE

The Senior Education and Training Plan (SET Plan) helps each student structure their senior learning around their abilities, interests and ambitions. The SET Plan then maps out what, where and how a student will study during their senior phase of learning. SET Plans are completed, together with Year 11 subject selections, during Term 3, Year 10. The plan is agreed between the student, their parents/carers and the School. SET Plans are reviewed regularly during Year 11 and 12 and can be updated at any time.

BANKING OF CREDITS

When students are registered with the QCAA by St Paul's School, individual learning accounts are opened for them and a Learner Unique Identifier (LUI) is allocated to each student. Students will be issued with their LUI in year 10. The learning account records all eligible learning undertaken during the senior phase of learning, as well as where and when the learning takes place and the results achieved upon completion.

Students may use their learning account to track their progress towards:

- Senior Statement of Results
- QCE: Queensland Certificate of Education
- ATAR: Australian Tertiary Admission Rank (used for Tertiary entrance)
- QCIA: Queensland Certificate of Individual Achievement

Students can access their learning accounts and view stored information in the Student Portal at:

<https://myqce.qcaa.qld.edu.au/student-learning-accounts.html>

Each year, information sessions regarding the QCE are held at the School. Please refer to the School calendar for upcoming events.

For more information:

- Visit the QCAA website at <https://myqce.qcaa.qld.edu.au/>
- Visit the VET Coordinator for information about VET courses, School-based Apprenticeships/Traineeships

QCE REQUIREMENTS

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.

TYPES OF LEARNING AND REQUIREMENTS

**Set
pattern**

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.

Core: 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 Extension subjects	up to 2
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

Preparatory: A maximum of 4 credits can come from Preparatory courses of study

QCAA Short Courses <ul style="list-style-type: none"> • QCAA Short Course in Literacy • QCAA Short Course in Numeracy 	up to 1
Certificate I qualifications	up to 3
Recognised studies categorised as Preparatory	as recognised by QCAA

Complementary: A maximum of 8 credits can come from Complementary courses of study

QCAA Short Courses <ul style="list-style-type: none"> • QCAA Short Course in Aboriginal & Torres Strait Islander Languages • QCAA Short Course in Career Education 	up to 1
University subjects	up to 4
Diplomas and Advanced Diplomas	up to 8
Recognised studies categorised as Complementary	as recognised by QCAA

**Literacy &
numeracy**

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:

Literacy

- QCAA General or Applied English subjects
- QCAA Short Course in Literacy
- Senior External Examination in a QCAA English subject
- FSK20113 Certificate II in Skills for Work and Vocational Pathways
- International Baccalaureate examination in approved English subjects
- Recognised studies listed as meeting literacy requirements

Numeracy

- QCAA General or Applied Mathematics subjects
- QCAA Short Course in Numeracy
- Senior External Examination in a QCAA Mathematics subject
- FSK20113 Certificate II in Skills for Work and Vocational Pathways
- International Baccalaureate examination in approved Mathematics subjects
- Recognised studies listed as meeting numeracy requirements

<https://www.qcaa.qld.edu.au/senior/certificates-and-qualifications/qce-qcia-handbook/2-qce/2.1-eligibility>

SENIOR EDUCATION TRAINING PLAN (SET PLAN)

Mr Glen Smith

SENIOR EDUCATION TRAINING PLAN (SET PLAN)

All students in Year 12 must have a Senior Education Training Plan, which outlines the proposed course of study that will be undertaken to achieve their career goals.

When developing a SET Plan and making subject selections, students should take into consideration the whole of their Senior Phase of Learning Plan. This includes:

- Determining your long-term career goals (where do you see yourself in 5 years' time?).
- Selecting the option (university, TAFE or work) which will assist you to achieve your chosen career.
- Choosing subjects which feed into this career and fulfil requirements of a QCE, ATAR and/or VET (whichever program of study that is required to achieve this career).
- Checking that prerequisites for tertiary or TAFE or VET courses have been considered.
- Remembering that you should always choose subjects which you are interested in and those you have strength in.

The SET Plan is reviewed regularly to ensure that the students' career pathway is being followed. Students should also note that any subject change requires a SET Plan Review.

For further information, contact Glen Smith (g.smith@stpauls.qld.edu.au).

SCHOOL COUNSELLOR

Mrs Karen Semple

Use the following steps to help you explore your subject/career options.

STEP 1***Understand the basic concepts***

- Career decision-making is not magic.
- Subjects you like lead to careers you enjoy.
- No one else can make the decision for you.
- Find out as much as you can about subject options.
- It is never too late to start researching.
- There is not one 'ideal' occupation for you. There may be several occupations that will give you the satisfaction you want from work.
- In all likelihood you will have several occupations during your working lifetime. The career decision you are making now is not necessarily a lifetime decision.

**STEP 2*****Look inwards – develop a profile of yourself***

What do you do best? What are your strengths? Are they in:

- Humanities, mathematics, science, etc.?
- Working with ideas, words, things, etc.?
- Working with people?
- Working with your hands?
- Working with computers or machines?
- Creating things with food or materials.

What other things influence your decision? Perhaps:

- The opinions of family and friends?
- The availability of employment?
- Your age?
- Staying in the local area?
- A physical or medical condition?

What occupational ideas have you already thought of? You can add to these ideas by completing a career questionnaire from one of the following websites.

- MyFuture www.myfuture.edu.au
- Student Portal <https://myqce.qcaa.qld.edu.au/>

STEP 3***Look outwards – gather information***

Read about the jobs in your occupational ideas list. These resources will help you.

- myfuture – The facts www.myfuture.edu.au
- Access Job Guide Information <https://www.gooduniversitiesguide.com.au/>
- Job Outlook <http://joboutlook.gov.au/>
- Financial Assistance/Information <http://studyassist.gov.au/sites/StudyAssist/>

GOOD DECISIONS ARE BASED ON GOOD INFORMATION

Evaluate the information you are reading. Does it fit with the profile you have developed of yourself in Step 2? Your eventual aim is to come up with 3 or 4 possible occupations that will give you satisfaction and will use your strengths.

Next you need to talk to people who are already employed in the occupations on your list.

Do not be afraid to do this as most people are prepared to help you with your career research if you are polite, prepared with questions, and do not waste their time. Use your own networks (parents' friends, your friends' parents, neighbours, etc.) and Google Pages to contact people in jobs you are interested in. Develop questions to ask them. Some possible questions are:

- What do you do in a typical workday?
- What do you like about the job?
- What do you dislike about the job?
- What is the recommended training to prepare for the job?
- Are there alternative training pathways?
- Are there people in the same occupation who do different things from you?
- Is there someone else you think I should speak to?
- Where do you go from here in this job?

It is helpful to discuss your findings with a friend or relative who knows you well and you feel comfortable talking with. Other peoples' insights can sometimes help in clarifying our thinking.

STEP 4

Prioritise your selection

Establish a hierarchy of subject choice beyond the five required and compare each starting from the bottom of the list according to what you like and are good at. Start this process asking yourself "do I have enough information about the choice first?"

STEP 5

Make a selection

STEP 6

Check the results

Check the selection against the prerequisites of the course needed for your selected career.

Further information can be obtained from:

QCAA

154 Melbourne Street, South Brisbane Qld

Phone: 1800 804 991

Web: <https://myqce.qcaa.qld.edu.au/>

Email: myQCE@qcaa.qld.edu.au

QTAC LTD

Level 4, 154 Melbourne Street, South Brisbane Qld 4101

Phone: 1300 467 822

Web: www.qtac.edu.au

Queensland Universities and TAFE Queensland

Australian Catholic University www.acu.edu.au

Bond University www.bond.edu.au

Central Queensland University www.cqu.edu.au

Griffith University www.griffith.edu.au

James Cook University www.jcu.edu.au

Queensland University of Technology www.qut.edu.au

TAFE Queensland www.tafeqld.edu.au

The University of Queensland www.uq.edu.au

University of Southern Queensland www.usq.edu.au

University of the Sunshine Coast www.usc.edu.au

For further information regarding Careers Counselling, contact Rexina Harding (r.harding@stpauls.qld.edu.au).

SUBJECTS

ACCOUNTING (English Language Supported)

Curriculum Leader: Mrs Kathleen Power/Mrs Kerbi McMillan

This subject is only available to Visa/International students.

Rationale:

Accounting is a universal discipline, encompassing the successful management of financial resources of the public sector, businesses and individuals. It is foundational to all organisations across all industries, and assists in discharging accountability and financial control. Accounting is a way of systematically organising, critically analysing and communicating financial data and information for decision-making. The overarching context for this syllabus is the real-world expectation that accounting provides real-time processing of transactions with a minimum of monthly and yearly reporting. Digital technologies are integral to accounting, enabling real-time access to vital financial information.

When students study this subject, they develop an understanding of the essential role accounting plays in the successful performance of any organisation. Students learn fundamental accounting concepts in order to develop an understanding of accrual accounting, managerial and accounting controls, internal and external financial statements, and ratio analysis. Students are then ready for more complex utilisation of knowledge, allowing them to synthesise financial and other information, evaluate accounting practices, solve authentic accounting problems and make and communicate recommendations.

Accounting is for students with a special interest in business, commerce, entrepreneurship and the personal management of financial resources. The numerical, literacy, technical, financial, critical thinking, decision-making and problem-solving skills learned in Accounting enrich the personal and working lives of students. Problem-solving and the use of authentic and diversified accounting contexts provide opportunity for students to develop an understanding of the ethical attitudes and values required to participate more effectively and responsibly in a changing business environment.

Pathways:

Accounting is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Accounting can establish a basis for further education and employment in the fields of accounting, business, management, banking, finance, law, economics and commerce. As the universal language of business (Helliard 2013), Accounting provides students with a variety of future opportunities, enabling a competitive advantage in entrepreneurship and business management in many types of industries, both locally and internationally.

Course structure:

Accounting is a course of study consisting of four units. Subject matter, learning experiences and assessment increase in complexity from Units 1 and 2 to Units 3 and 4 as students develop greater independence as learners.

Units 1 and 2 provide foundational learning, which allows students to experience all syllabus objectives and begin engaging with the course subject matter. Students should complete Units 1 and 2 before beginning Unit 3. It is recommended that Unit 3 be completed before Unit 4.

Units 3 and 4 consolidate student learning. Only the results from Units 3 and 4 will contribute to ATAR calculations.

Figure 2 outlines the structure of this course of study.

Each unit has been developed with a notional time of 55 hours of teaching and learning, including assessment.

ANCIENT HISTORY

Curriculum Leader: Mrs Kerbi McMillan

Rationale:

A course of study in Ancient History empowers students with multi-disciplinary skills in analysing textual and visual sources, constructing arguments, challenging assumptions, and thinking both creatively and critically. Ancient History students become knowledge creators, productive and discerning users of technology, and empathetic, open-minded global citizens.

Ancient History is concerned with studying people, societies and civilisations of the past, from the development of the earliest human communities to the end of the Middle Ages. Students explore the interaction of societies and the impact of individuals and groups on ancient events and ways of life, enriching their appreciation of humanity and the relevance of the ancient past. Ancient History illustrates the development of some of the distinctive features of modern society which shape our identity, such as social organisation, systems of law, governance and religion. Ancient History highlights how the world has changed, as well as the significant legacies that exist into the present. This insight gives context for the interconnectedness of past and present across a diverse range of societies. A study of the past is invaluable in providing students with opportunities to explore their fascination with and curiosity about stories of the past and the mysteries of human behaviour.

Ancient History enables inquiry-based learning, where students investigate the past by analysing and interpreting archaeological and written evidence. Historical skills form the learning and subject matter provides the context. Learning in context enables the integration of historical concepts and understandings into four units of study: Investigating the Ancient World, Personalities in their times, Reconstructing the Ancient World, and People, power and authority. Throughout the course of study, students develop increasingly sophisticated skills and understandings of historical issues and problems by interrogating the surviving evidence of ancient sites, societies, individuals and significant historical periods. Students investigate the problematic nature of evidence and pose increasingly complex questions about the past. They use their skills of historical inquiry, analysis and interpretation of sources to formulate reasoned responses. The development of these skills is cumulative, with students showing understanding of different and sometimes conflicting perspectives of the past.

Pathways:

Ancient History is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Ancient History can establish a basis for further education and employment in the fields of archaeology, history, education, psychology, sociology, law, business, economics, politics, journalism, the media, health and social sciences, writing, academia and research. The skills developed in Ancient History can be used in students' everyday lives — including their work — when they need to understand situations, place them in perspective, identify causes and consequences, acknowledge the viewpoints of others, develop personal values, make judgments and reflect on their decisions.

Course Structure:

Ancient History			
Unit 1	Unit 2	Unit 3	Unit 4
Investigating the Ancient World	Personalities in their times	Reconstructing the Ancient World	People, power and authority
Digging up the past – archaeology	Cleopatra	Phillip II & Alexander (The Great) III of Macedon	Rome: Civil War & the breakdown of the Republic
Ancient Societies – Sparta (military and slavery)	Boudica	The Medieval Crusades	Augustus
Assessment	Assessment	Assessment	Assessment
Formative internal assessment 1: Examination – short responses to historical sources Formative internal assessment 2: Investigation – independent source investigation	Formative internal assessment 3: Investigation – historical essay based on research Formative internal assessment 4: Examination – essay in response to historical sources	Summative internal assessment 1: Examination – essay in response to historical sources (25%) Summative internal assessment 2: Investigation – independent source investigation (25%)	Summative internal assessment 3: Investigation – historical essay based on research (25%) Summative external assessment: Examination – short responses to historical sources (25%)

For further information regarding Ancient History, contact Kerbi McMillan (k.mcmillan@stpauls.qld.edu.au).

BIOLOGY

Curriculum Leader: Mr Des Hylton

Rationale:

At the core of all science endeavour is the inquiry into the nature of the universe. Science uses a systematic way of thinking, involving creative and critical reasoning, in order to acquire better and more reliable knowledge. Scientists recognise that knowledge is not fixed but is fallible and open to challenge. As such, scientific endeavour is never conducted in isolation, but builds on and challenges an existing body of knowledge in the pursuit of more reliable knowledge. This collaborative process, whereby new knowledge is gained, is essential to the cooperative advancement of science, technology, health and society in the 21st century.

Biology provides opportunities for students to engage with living systems. In Unit 1, students develop their understanding of cells and multicellular organisms. In Unit 2, they engage with the concept of maintaining the internal environment. In Unit 3, students study biodiversity and the interconnectedness of life. This knowledge is linked in Unit 4 with the concepts of heredity and the continuity of life.

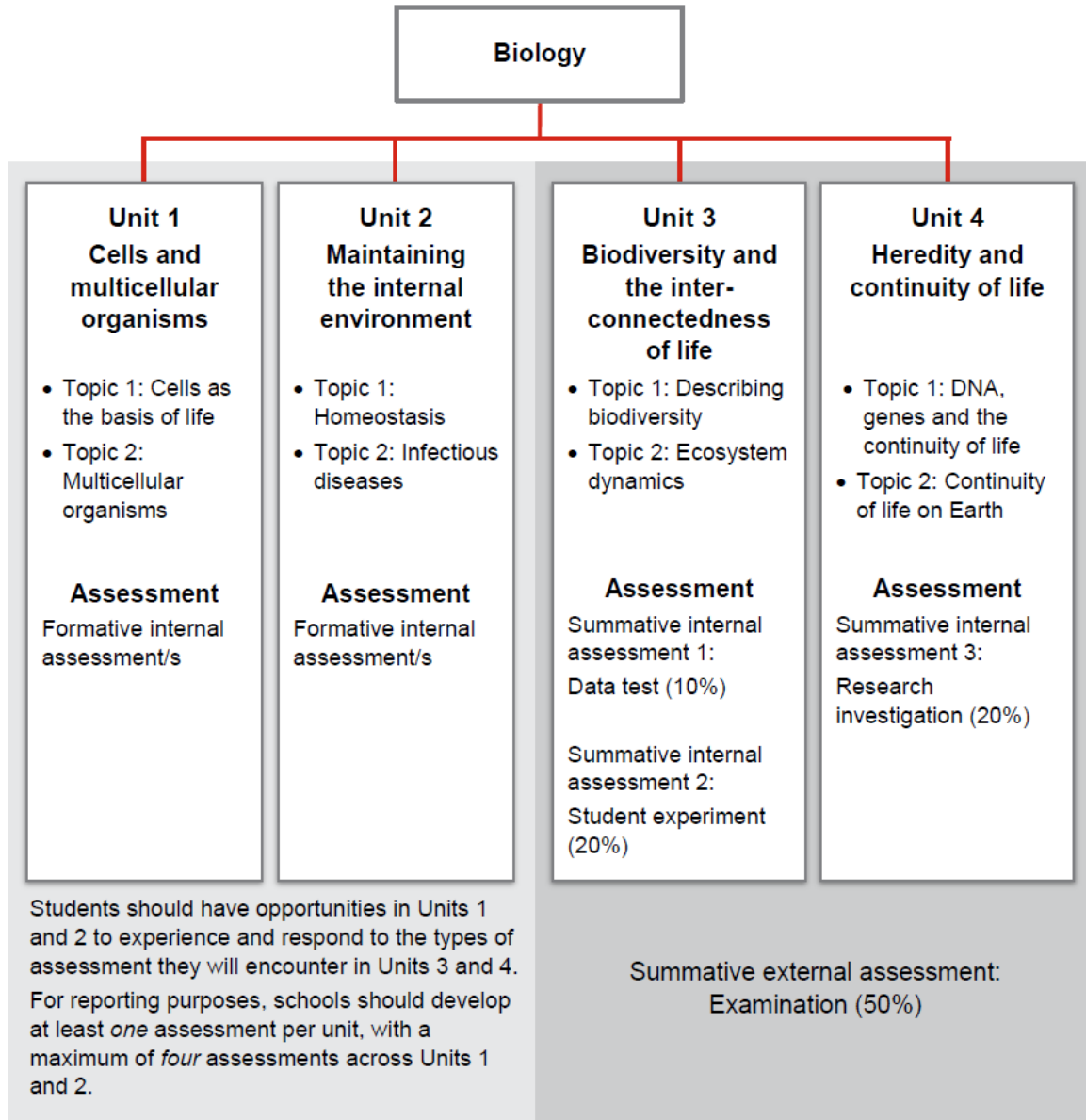
Biology aims to develop students':

- sense of wonder and curiosity about life
- respect for all living things and the environment
- understanding of how biological systems interact and are interrelated, the flow of matter and energy through and between these systems, and the processes by which they persist and change
- understanding of major biological concepts, theories and models related to biological systems at all scales, from subcellular processes to ecosystem dynamics
- appreciation of how biological knowledge has developed over time and continues to develop; how scientists use biology in a wide range of applications; and how biological knowledge influences society in local, regional and global contexts
- ability to plan and carry out fieldwork, laboratory and other research investigations, including the collection and analysis of qualitative and quantitative data and the interpretation of evidence
- ability to use sound, evidence-based arguments creatively and analytically when evaluating claims and applying biological knowledge
- ability to communicate biological understanding, findings, arguments and conclusions using appropriate representations, modes and genres.

Pathways:

Biology is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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.

Course structure:



For further information regarding Biology, contact Des Hylton (d.hylton@stpauls.qld.edu.au).

BUSINESS

Curriculum Leader: Mrs Kerbi McMillan

Rationale:

Business is multifaceted. It is a contemporary discipline with representation in every aspect of society including individuals, community and government. Business, as a dynamic and evolving discipline, is responsive to environmental changes such as emerging technologies, globalisation, sustainability, resources, economy and society.

The study of business is relevant to all individuals in a rapidly changing, technology-focused and innovation-driven world. Through studying Business, students are challenged academically and exposed to authentic and real-life practices. The knowledge and skills developed in Business will allow students to contribute meaningfully to society, the workforce and the marketplace and prepare them as potential employees, employers, leaders, managers and entrepreneurs of the future.

Students investigate the business life cycle from the seed to post-maturity stage and develop skills in examining business data and information (see Section 1.2.5). Students learn business concepts, theories, processes and strategies relevant to leadership, management and entrepreneurship. A range of business environments and situations is explored. Through this exploration, students investigate the influence on and implications for strategic development in the functional areas of finance, human resources, marketing and operations.

Learning in Business integrates an inquiry approach with authentic case studies. Students become critical observers of business practices by applying an inquiry process in undertaking investigations of business situations. They use a variety of technological, communication and analytical tools to comprehend, analyse, interpret and synthesise business data and information. Students evaluate strategies using criteria that are flexible, adaptable and underpinned by communication, leadership, creativity and sophistication of thought.

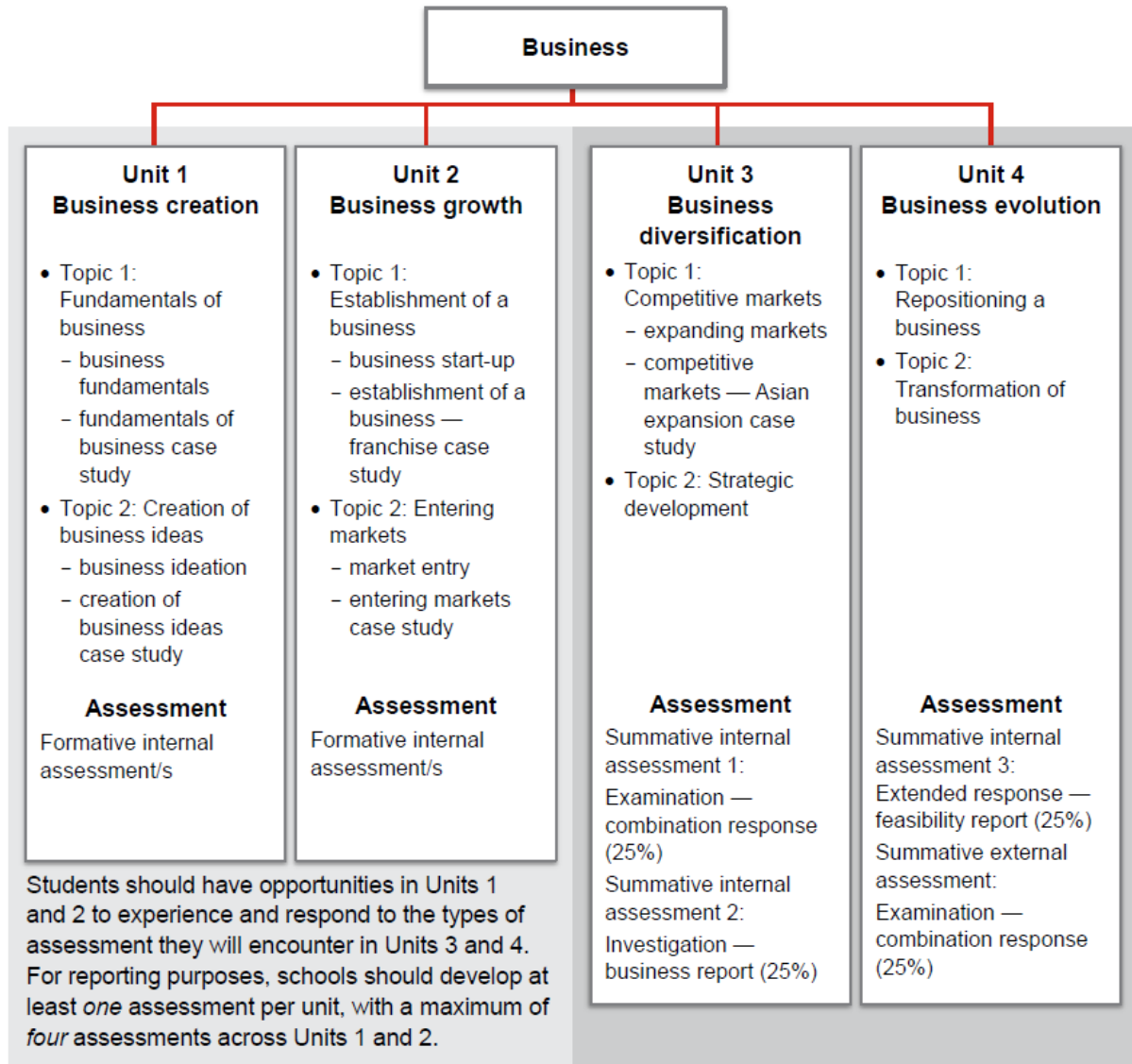
This multifaceted course creates a learning environment that fosters ambition and success, while being mindful of social and ethical values and responsibilities. Opportunity is provided to develop interpersonal and leadership skills through a range of individual and collaborative activities in teaching and learning. Business develops students' confidence and capacity to participate as members or leaders of the global workforce through the integration of 21st century skills.

Business allows students to engage with the dynamic business world (in both national and global contexts), the changing workforce and emerging digital technologies. It addresses contemporary implications, giving students a competitive edge in the workplace as socially responsible and ethical members of the business community, and as informed citizens, employees, consumers and investors.

Pathways:

Business is a General subject suited to students who are interested in pathways beyond Year 12 that lead to tertiary studies, vocational education or work. The study of Business provides opportunities for students to pursue entrepreneurial pathways and a wide range of careers in the public, private and not-for-profit sectors. A course of study in Business can establish a basis for further education and employment in the fields of business management, business development, entrepreneurship, business analytics, economics, business law, accounting and finance, international business, marketing, human resources management and business information systems.

Course structure:


 For further information regarding Business, contact Kerbi McMillan (k.mcmillan@stpauls.qld.edu.au).

CHEMISTRY

Curriculum Leader: Mr Des Hylton

Rationale:

At the core of all science endeavour is the inquiry into the nature of the universe. Science uses a systematic way of thinking, involving creative and critical reasoning, in order to acquire better and more reliable knowledge. Scientists recognise that knowledge is not fixed but is fallible and open to challenge. As such, scientific endeavour is never conducted in isolation, but builds on and challenges an existing body of knowledge in the pursuit of more reliable knowledge. This collaborative process, whereby new knowledge is gained, is essential to the cooperative advancement of science, technology, health and society in the 21st century.

Chemistry is the study of materials and their properties and structure. In Unit 1, students study atomic theory, chemical bonding, and the structure and properties of elements and compounds. In Unit 2, students explore intermolecular forces, gases, aqueous solutions, acidity and rates of reaction. In Unit 3, students study equilibrium processes and redox reactions. In Unit 4, students explore organic chemistry, synthesis and design to examine the characteristic chemical properties and chemical reactions displayed by different classes of organic compounds.

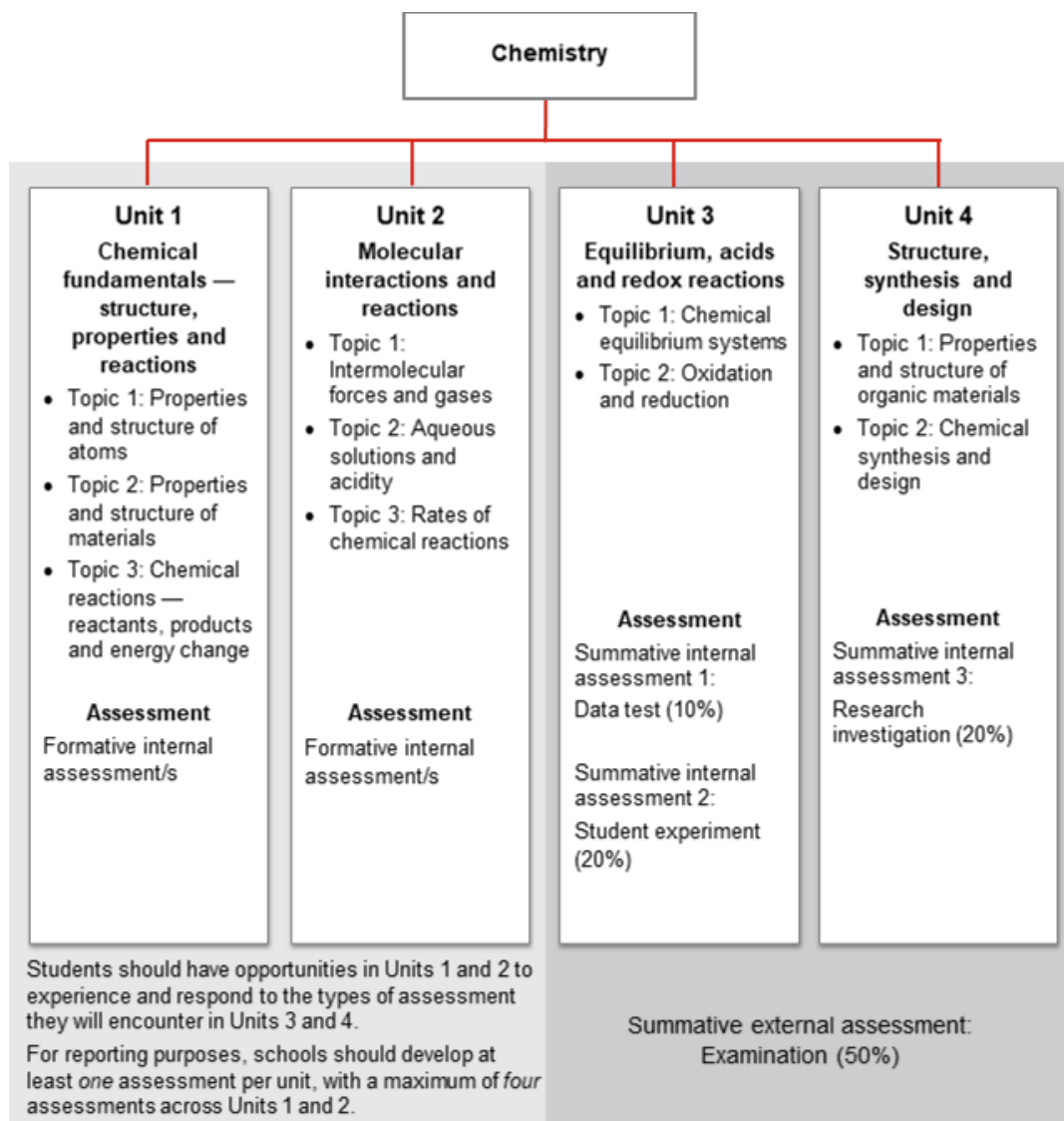
Chemistry aims to develop students':

- interest in and appreciation of chemistry and its usefulness in helping to explain phenomena and solve problems encountered in their ever-changing world
- understanding of the theories and models used to describe, explain and make predictions about chemical systems, structures and properties
- understanding of the factors that affect chemical systems and how chemical systems can be controlled to produce desired products
- appreciation of chemistry as an experimental science that has developed through independent and collaborative research, and that has significant impacts on society and implications for decision-making
- expertise in conducting a range of scientific investigations, including the collection and analysis of qualitative and quantitative data, and the interpretation of evidence
- ability to critically evaluate and debate scientific arguments and claims in order to solve problems and generate informed, responsible and ethical conclusions
- ability to communicate chemical understanding and findings to a range of audiences, including using appropriate representations, language and nomenclature.

Pathways:

Chemistry is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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.

Course structure:


 For further information regarding Chemistry, contact Des Hylton (d.hylton@stpauls.qld.edu.au).

DESIGN

Curriculum Leader: Mr Andrew Wilson

Rationale:

The Design subject 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.

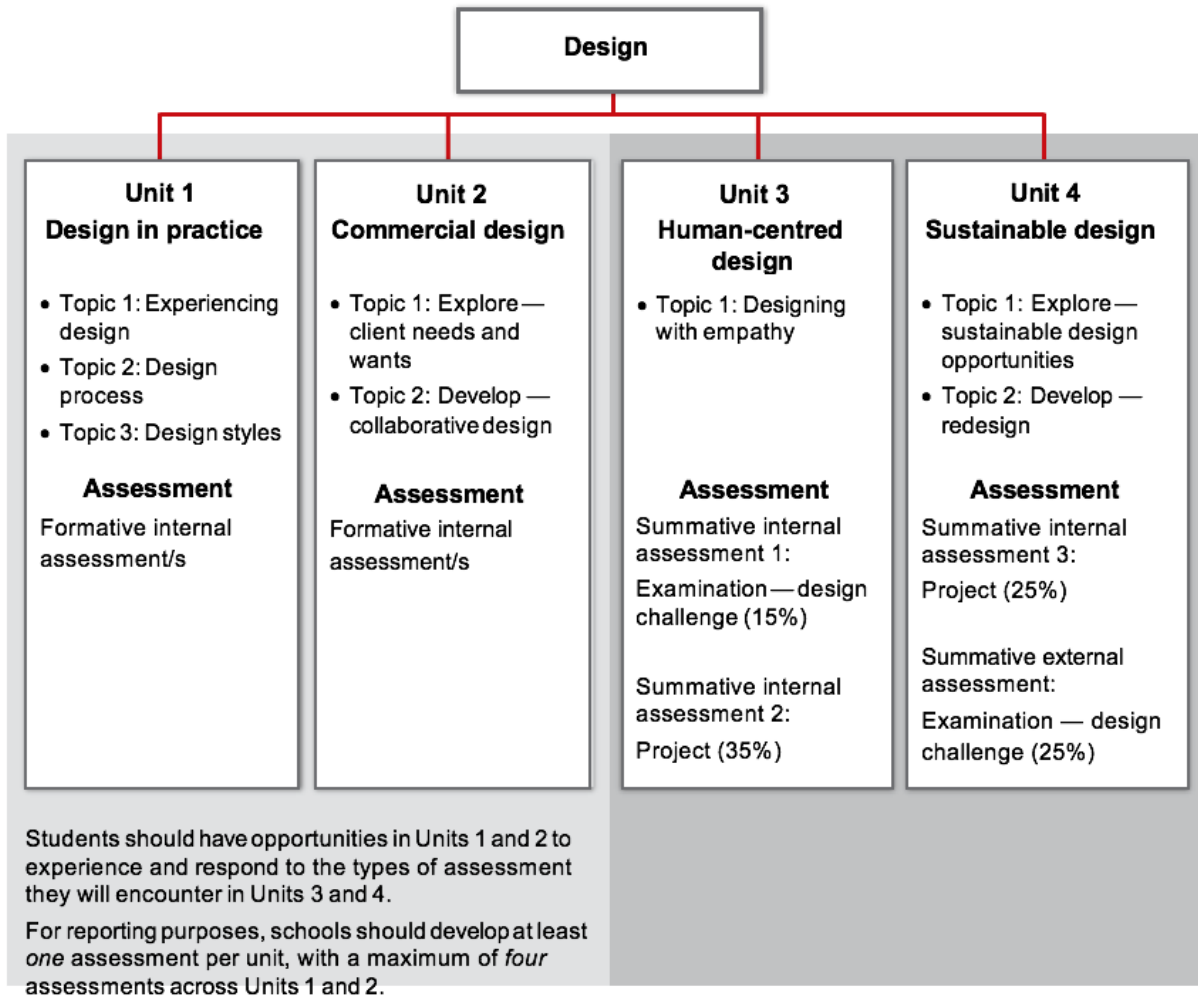
Students will learn how design has influenced the economic, social and cultural environment in which they live. They will understand the agency of humans in conceiving and imagining possible futures through design. Students will develop valuable 21st century skills in critical thinking, creative thinking, communication, collaboration and teamwork, personal and social skills, and information & communication technologies (ICT) skills. Collaboration, teamwork and communication are crucial skills needed to work in design teams and liaise with stakeholders. The design thinking students learn is broadly applicable to a range of professions and supports the development of critical and creative thinking.

Students will develop an appreciation of designers and their role in society. They will 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. Design equips students with highly transferrable, future-focused thinking skills relevant to a global context.

Pathways:

Design is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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.

Course structure:



For further information regarding Design, contact Andrew Wilson (a.wilson@stpauls.qld.edu.au).

DIGITAL SOLUTIONS

Curriculum Leader: Mr Bryson Stansfield

Rationale:

Technologies have been an integral part of society for as long as humans have had the desire to create solutions to improve their own and others' quality of life. Technologies have an impact on people and societies by transforming, restoring and sustaining the world in which we live.

Australia needs enterprising and innovative individuals with the ability to make discerning decisions concerning the development, use and impact of technologies. When developing technologies, these individuals need to be able to work independently and collaboratively to solve open-ended problems. Digital Solutions prepares students to be effective problem-solvers as they learn about and work with contemporary and emerging technologies.

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

Students engage in problem-based learning that enables them to explore and develop ideas, generate digital solutions, and evaluate the impacts of technologies. To generate digital solutions, students analyse problems and apply computational, design and systems thinking processes that driven by people and their needs.

Pathways:

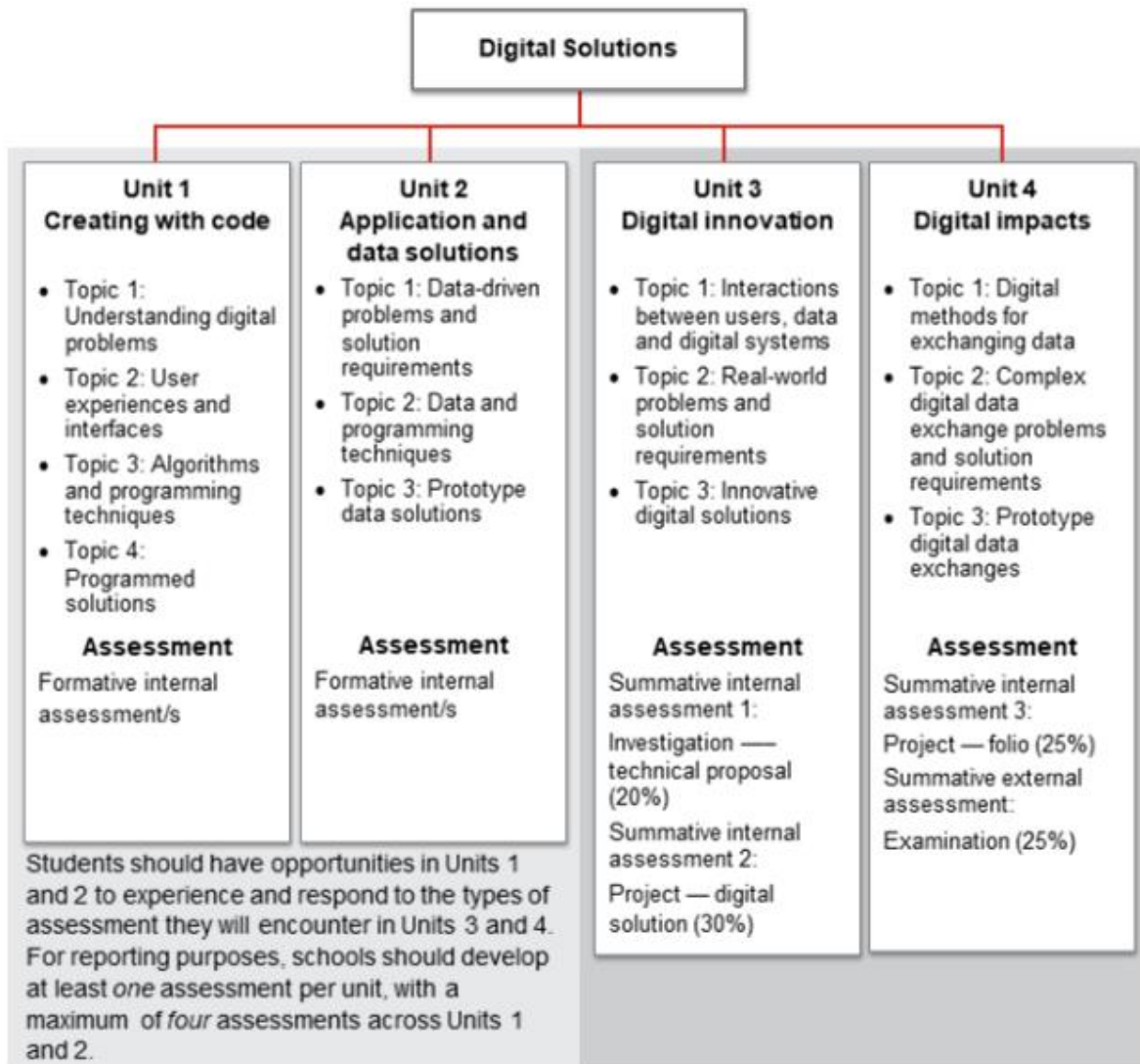
Digital Solutions is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Digital Solutions can establish a basis for further education and employment in the fields of science, technologies, engineering and mathematics.

Course structure:

Digital Solutions is a course of study consisting of four units. Subject matter, learning experiences and assessment increase in complexity from Units 1 and 2 to Units 3 and 4 as students develop greater independence as learners.

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

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



For further information regarding Digital Solutions, contact Bryson Stansfield (b.stansfield@stpauls.qld.edu.au).

DRAMA IN PRACTICE (Applied)

Curriculum Leader: Ms Siobhan Gillespie

Rationale:

Drama in Practice gives students opportunities to plan, create, adapt, produce, perform, appreciate and evaluate a range of dramatic works or events in a variety of settings. A key focus of this syllabus is engaging with school and/or local community contexts and, where possible, interacting with practising artists. As students gain practical experience in a number of onstage and offstage roles, including actor/performer, designer, scriptwriter, director, stage technician, publicity manager and stage manager, they recognise the role drama plays and value the contribution it makes to the social and cultural lives of local, national and international communities.

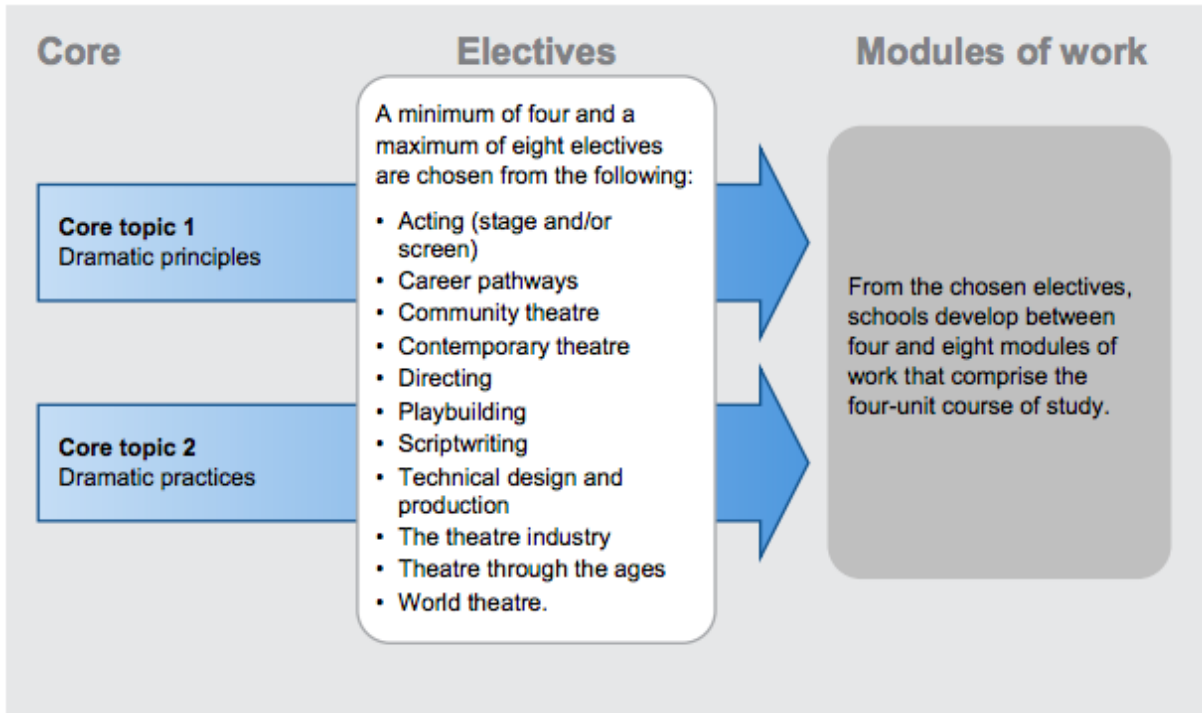
In Drama in Practice, students explore and engage with two core topics of study — ‘Dramatic principles’ and ‘Dramatic practices’ — as they participate in learning activities that apply knowledge and develop creative and technical skills in communicating meaning to an audience. Individually and in groups, they shape and express dramatic ideas of personal and social significance that serve particular purposes. They identify and follow creative and technical processes from conception to realisation, which fosters cooperation and creativity, and helps students develop problem-solving skills and gain confidence and self-esteem. Through the core of dramatic practices students also learn essential workplace health and safety procedures relevant to the drama and theatre industry, as well as effective work practices and industry skills needed by a drama practitioner

Pathways:

A course of study in Drama in Practice can establish a basis for further education and employment in the drama and theatre industry in areas such as performance, theatre management and promotions. With additional training and experience, potential employment outcomes may include actor/performer, stage director, scriptwriter, lighting or sound designer, theatre technician, properties manager, stage manager, tour manager, producer, costume designer, venue manager or marketing and promotions manager.

The demand for creativity in employees is rising in a world of rapid technological change. As more organisations value work-related creativity and diversity, the processes and practices of Drama in Practice develop transferable 21st century skills essential for many areas of employment. As people are asked to think innovatively and differently, unconventionally and from new perspectives, the role of ‘the creative’ across many workplaces is increasingly in demand.

Course structure:



For further information regarding Drama, contact Siobhan Gillespie (s.gillespie@stpauls.qld.edu.au).

ECONOMICS

Curriculum Leader: Mrs Kerbi McMillan

Rationale:

The discipline of economics is integral to every aspect of our lives: our employment opportunities, business operations and living standards. The subject challenges us to use evidence and be innovative when solving problems in a world of complex global relationships and trends, where a knowledge of economic forces and flows leads to better decisions. In Economics, decision-making is core: how to allocate and distribute scarce resources to maximise well-being.

Economic literacy is essential for understanding current issues: to make informed judgments and participate effectively in society. Students develop knowledge and cognitive skills to comprehend, apply analytical processes and use economic knowledge. They examine data and information to determine validity, and consider economic policies from various perspectives. Economic models and analytical tools are used to investigate and evaluate outcomes to draw conclusions. In the process, students appreciate ideas, viewpoints and values underlying economic issues.

The field of economics is typically divided into two: microeconomics being the study of individuals, households and businesses; and macroeconomics, the study of economy-wide phenomena. Within this context, students study opportunity costs, economic models and the market forces of demand and supply. These concepts are applied to real-world issues of how and why markets may be modified, and the effects of government strategies and interventions. The final units of the course dissect and interpret the complex nature of international economic relationships and the dynamics of Australia's place in the global economy. This segues to Australian economic management, as students analyse trends and evaluate economic policies.

Curiosity is essential when studying Economics — how can we best use and allocate resources and production, and what are the consequences of trade-offs? Accordingly, learning is centred on an inquiry approach that facilitates reflection and metacognitive awareness. Intellectual rigour is sharpened by the appraisal of a variety of often-contradictory data and information, which tests the role of assumptions in economic models, ideas and perspectives.

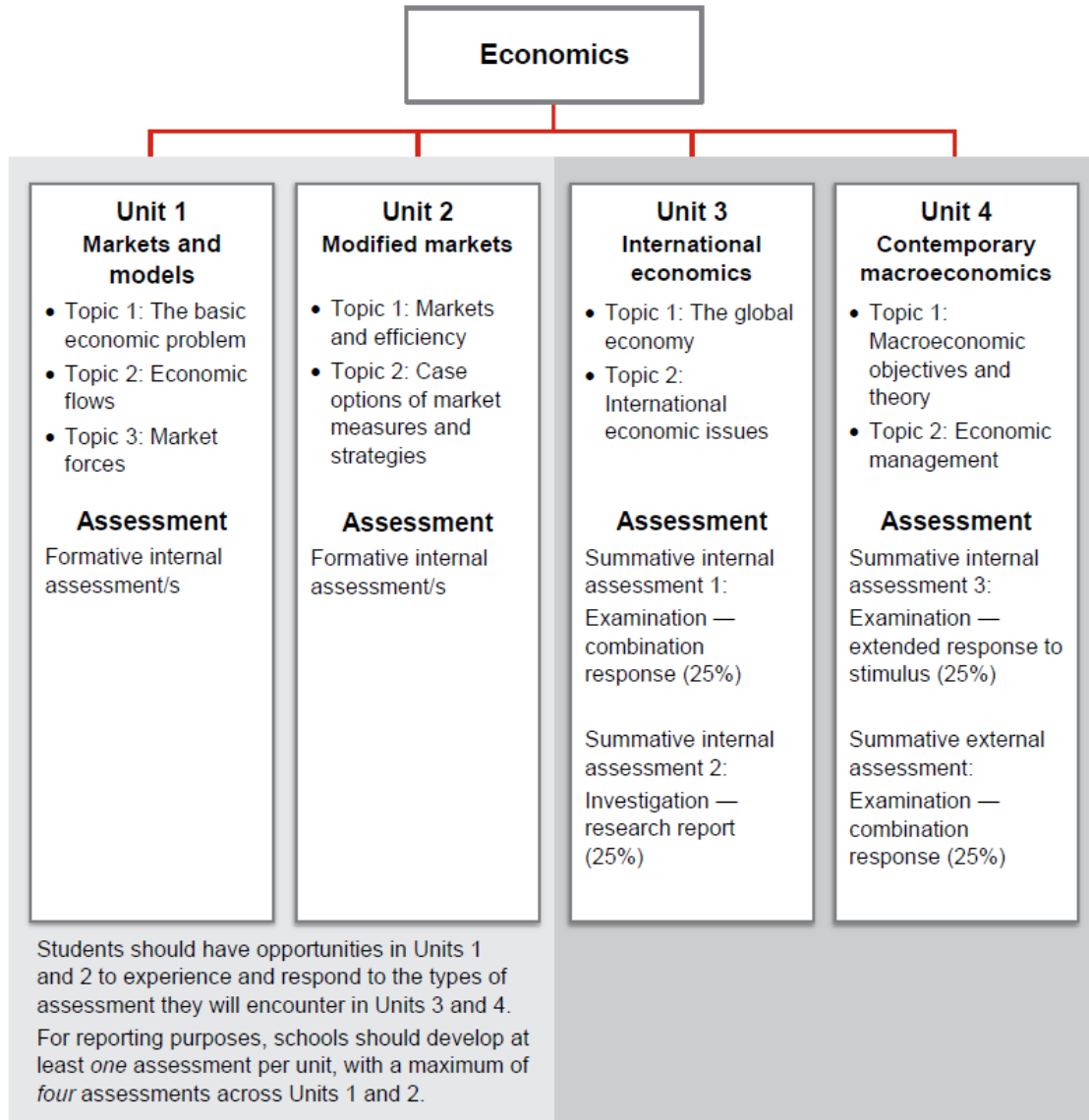
In the 21st century, the study of economics develops the transferable skills of critical thinking and questioning assumptions. As students develop intellectual flexibility, digital literacy and economic thinking skills, they increase the tertiary pathways and opportunities in the workplace open to them.

Economics is based on possibility and optimism. It appeals to students from Humanities and Business, and those interested in the broader relevance of Mathematics, Technology and Science because of their connection with economic forces. The subject positions students to think deeply about the challenges that confront individuals, business and government, and provides students with tools to think creatively beyond what is known and predictable.

Pathways:

Economics is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Economics can establish a basis for further education and employment in the fields of economics, econometrics, management, data analytics, business, accounting, finance, actuarial science, law and political science. Economics is an excellent complement for students who want to solve real-world science or environmental problems and participate in government policy debates. It provides a competitive advantage for career options where students are aiming for management roles and developing their entrepreneurial skills to create business opportunities as agents of innovation.

Course structure:



For further information regarding Economics, contact Kerbi McMillan (k.mcmillan@stpauls.qld.edu.au).

ENGINEERING SKILLS (Applied)

Curriculum Leader: Mr Andrew Wilson

Rationale:

The Engineering Skills subject focuses on the underpinning industry practices and production processes required to create, maintain and repair predominantly metal products in the engineering manufacturing industry. This subject provides a unique opportunity for students to experience the challenge and personal satisfaction of undertaking practical work while developing beneficial vocational and life skills.

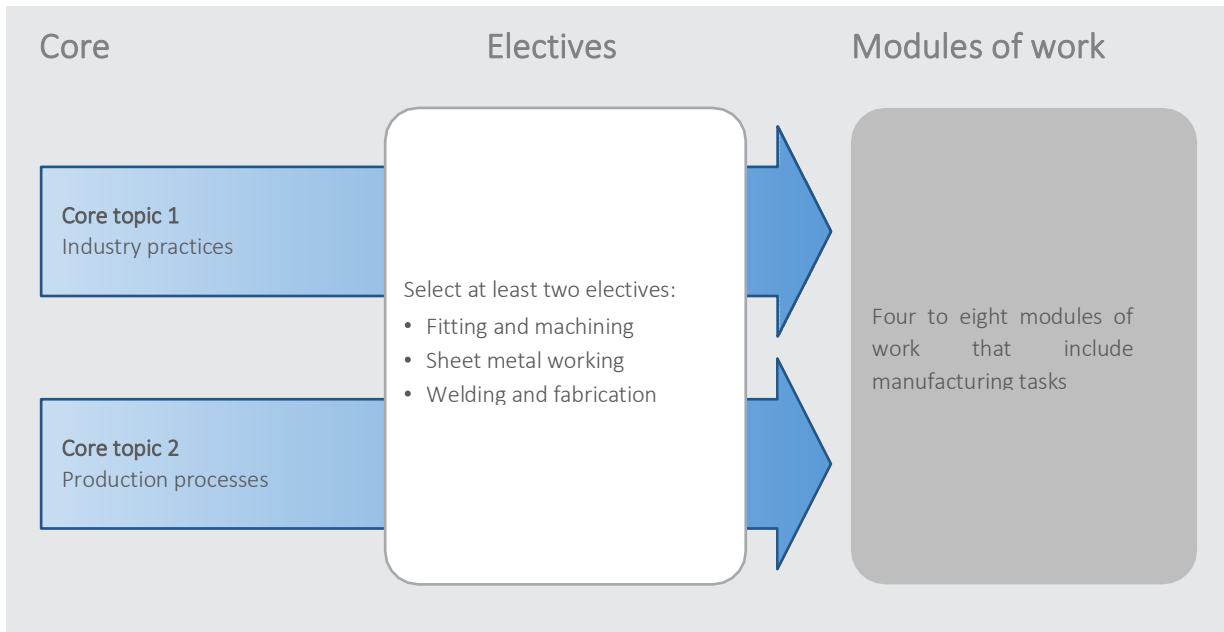
Through both individual and collaborative learning experiences, students learn to meet customer expectations of product quality at a specific price and time. The majority of learning is done through manufacturing tasks that relate to business and industry, and that promote adaptable, competent, self-motivated and safe individuals who can work with colleagues to solve problems and complete practical work.

By doing manufacturing tasks, students develop transferable skills relevant to a range of industry- based electives and future employment opportunities. They understand industry practices, interpret specifications, including technical 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.

Pathways:

A course of study in Engineering Skills can establish a basis for further education and employment. With additional training and experience, potential employment opportunities may be found in engineering trades as, for example, a sheet metal worker, metal fabricator, welder, maintenance fitter, metal machinist, locksmith, air-conditioning mechanic, refrigeration mechanic or automotive mechanic.

Course structure:



For further information regarding Engineering Skills, contact Andrew Wilson (a.wilson@stpauls.qld.edu.au).

Rationale:

The QCAA English learning area is made up of five senior secondary subjects: Essential English, English, Literature, English & Literature Extension, and English as an Additional Language. These subjects share common features that include the continuing development of students' knowledge, understanding and skills in listening, speaking, reading, viewing, designing and writing. Differences between the subjects lie in the emphasis on how language and skills are developed and the contexts in which they are applied.

The 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.

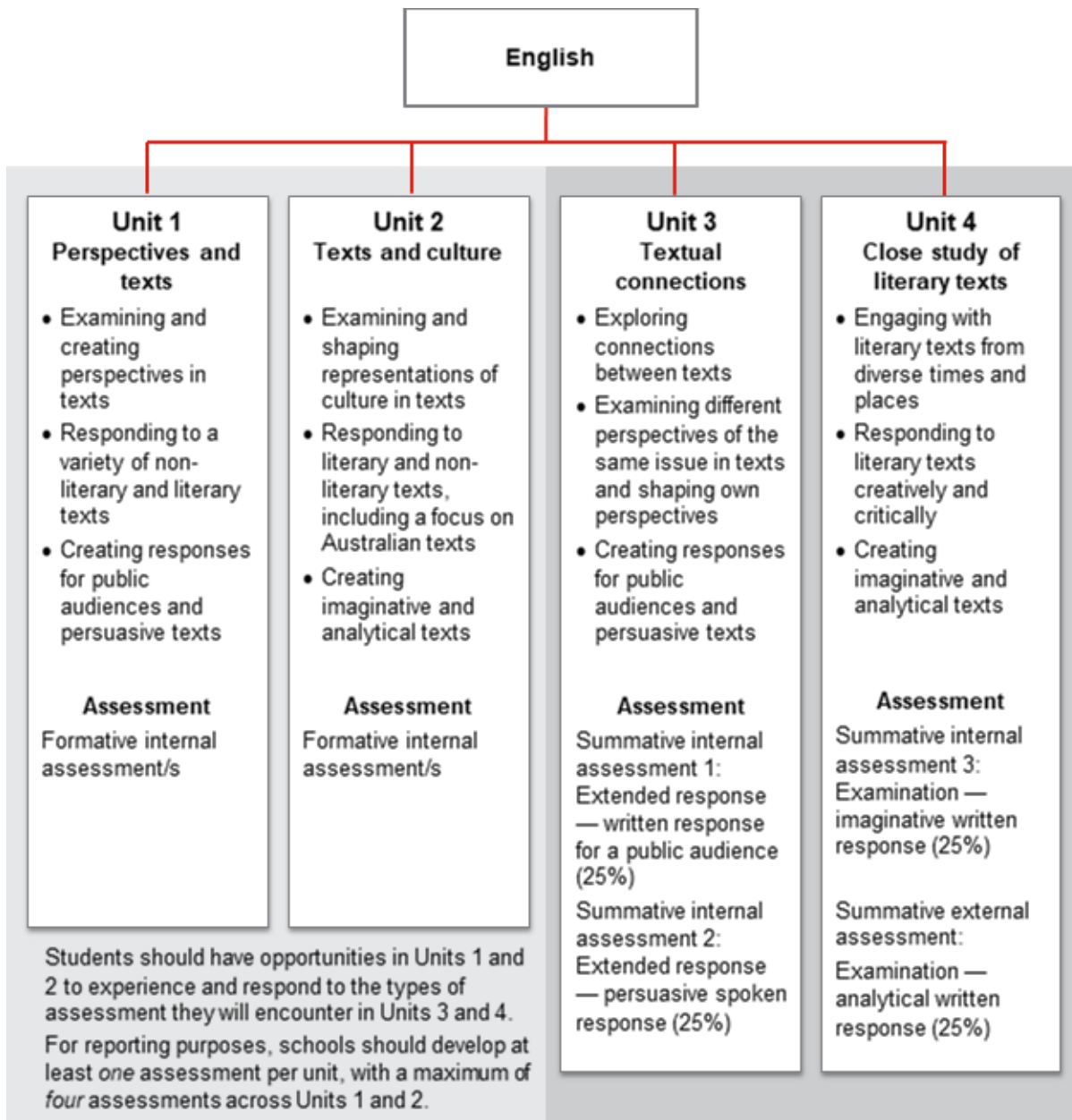
Students have opportunities to engage with language and texts through a range of teaching and learning experiences to foster:

- skills to communicate effectively in Standard Australian English for the purposes of responding to and creating literary texts and non-literary texts
- skills to 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
- enjoyment and appreciation of literary and non-literary texts, the aesthetic use of language, and style
- creative thinking and imagination, by exploring how literary and non-literary texts shape perceptions of the world and enable us to enter the worlds of others
- critical exploration of ways in which literary and non-literary texts may reflect or challenge social and cultural ways of thinking and influence audiences
- empathy for others and appreciation of different perspectives through studying a range of literary and non-literary texts from diverse cultures and periods, including Australian texts by Aboriginal writers and/or Torres Strait Islander writers.

Pathways:

English is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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.

Course structure:



For further information regarding English, contact Darren Carnell (d.carnell@stpauls.qld.edu.au).

ENGLISH

ENGLISH & LITERATURE EXTENSION (Year 12)

Curriculum Leader: Mr Darren Carnell

Rationale:

The QCAA English learning area is made up of five senior secondary subjects: Essential English, English, Literature, English & Literature Extension, and English as an Additional Language. These subjects share common features that include the continuing development of students' knowledge, understanding and skills in listening, speaking, reading, viewing, designing and writing. Differences between the subjects lie in the emphasis on how language and skills are developed and the contexts in which they are applied.

English & Literature Extension is an extension of both the English (2019) and the Literature (2019) syllabuses and should be read in conjunction with those syllabuses. To study English & Literature Extension, students should have completed Units 1 and 2 of either English or Literature. In Year 12, students undertake Units 3 and 4 of English & Literature Extension concurrently with, or after, Units 3 and 4 of English and/or Units 3 and 4 of Literature. The English & Literature Extension course offers more challenge than other English courses and builds on the literature study students have already undertaken.

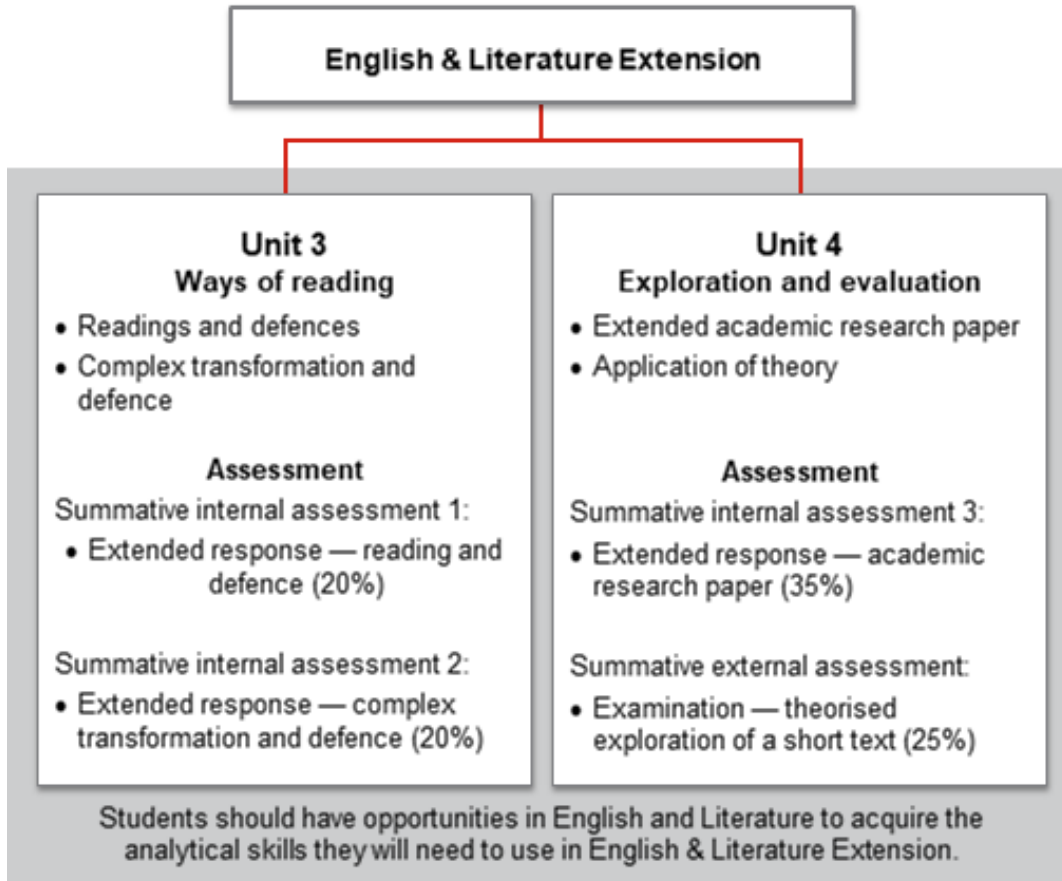
By offering students the opportunity to specialise in the theorised study of literature, English & Literature Extension provides students with ways they might understand themselves and the potential that literature has to expand the scope of their experiences. The subject assists students to ask critical questions about cultural assumptions, implicit values and differing world views encountered in an exploration of social, cultural and textual understandings about literary texts and the ways they might be interpreted and valued.

In English & Literature Extension, students apply different theoretical approaches to analyse and evaluate a variety of literary texts and different ways readers might interpret these texts. They synthesise different interpretations and relevant theoretical approaches to produce written and spoken/signed extended analytical and evaluative texts. The nature of the learning in this subject provides opportunities for students to work independently on intellectually challenging tasks.

Pathways:

English & Literature Extension is an Extension subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in English & Literature Extension can establish a basis for further education and employment in a range of fields, and can lead to a range of careers in areas where understanding social, cultural and textual influences on ways of viewing the world is a key element, such as law, journalism, media, arts, curating, education, policy and human resources. It also provides a good introduction to the academic disciplines and fields of study that involve the application of methodologies based on theoretical understandings.

Course structure:



For further information regarding English & Literature Extension, contact Darren Carnell (d.carnell@stpauls.qld.edu.au).

ENGLISH

ESSENTIAL ENGLISH (Applied)

Curriculum Leader: Mr Darren Carnell

Rationale:

The QCAA English learning area is made up of five senior secondary subjects: Essential English, English, Literature, English & Literature Extension, and English as an Additional Language. These subjects share common features that include the continuing development of students' knowledge, understanding and skills in listening, speaking, reading, viewing, designing and writing. Differences between the subjects lie in the emphasis on how language and skills are developed and the contexts in which they are applied.

The 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. The subject encourages students to recognise language and texts as relevant in their lives now and in the future and enables them to understand, accept or challenge the values and attitudes in these texts.

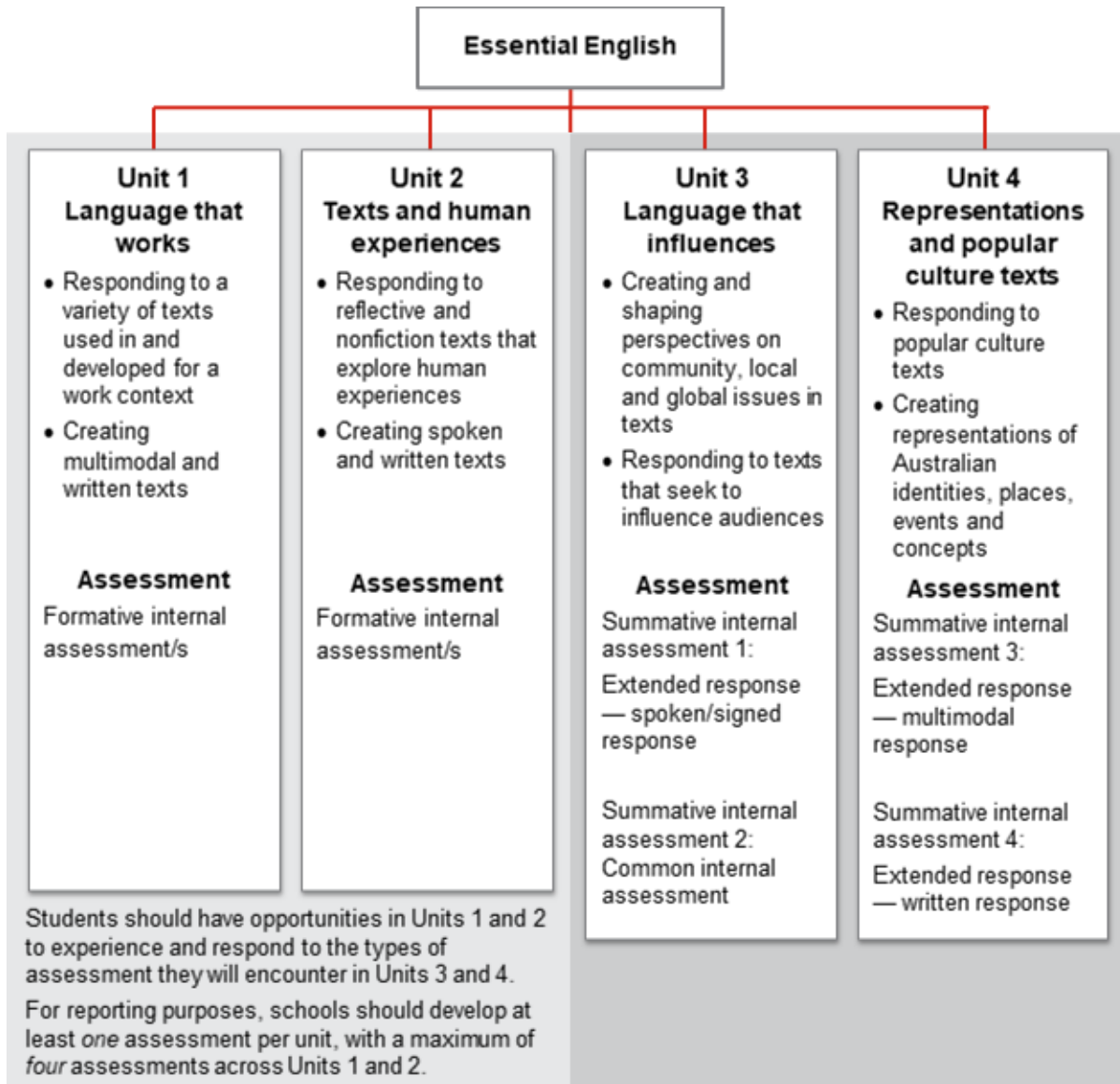
Students have opportunities to engage with language and texts through a range of teaching and learning experiences to foster:

- 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
- skills to choose generic structures, language, language features and technologies to best convey meaning
- skills to read for meaning and purpose, and to use, critique and appreciate a range of contemporary literary and non-literary texts
- effective use of language to produce texts for a variety of purposes and audiences
- creative and imaginative thinking to explore their own world and the worlds of others
- active and critical interaction with a range of texts, and an awareness of how the language they engage with positions them and others
- empathy for others and appreciation of different perspectives through a study of a range of texts from diverse cultures, including Australian texts by Aboriginal writers and/or Torres Strait Islander writers
- enjoyment of contemporary literary and non-literary texts, including digital texts.

Pathways:

Essential English is an Applied subject suited to students who are interested in pathways beyond Year 12 that lead to tertiary studies, vocational education or work. 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.

Course structure:



For further information regarding Essential English, contact Darren Carnell (d.carnell@stpauls.qld.edu.au).

ENGLISH AS AN ADDITIONAL LANGUAGE (English Language Supported)

Curriculum Leader: Mrs Kathleen Power/Mr Darren Carnell

Rationale:

The QCAA English learning area is made up of five senior secondary subjects: Essential English, English, Literature, English & Literature Extension, and English as an Additional Language. These subjects share common features that include the continuing development of students' knowledge, understanding and skills in listening, speaking, reading, viewing, designing and writing. Differences between the subjects lie in the emphasis on how language and skills are developed and the contexts in which they are applied.

English learning area subjects offer students opportunities to enjoy language and be empowered as functional, purposeful, creative and critical language users who understand how texts can convey and transform personal and cultural perspectives. In a world of rapid cultural, social, economic and technological change, complex demands are placed on citizens to be literate within a variety of modes and mediums. Students are offered opportunities to develop this capacity by drawing on a repertoire of resources 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.

The 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 have opportunities to engage with language and texts through a range of teaching and learning experiences to foster:

- skills to communicate effectively in Standard Australian English for the purposes of responding to and creating literary texts and non-literary texts
- skills to 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
- enjoyment and appreciation of literary and non-literary texts, the aesthetic use of language, and style
- creative thinking and imagination, by exploring how literary and non-literary texts shape perceptions of the world and enable us to enter the worlds of others
- critical exploration of ways in which literary and non-literary texts may reflect or challenge social and cultural ways of thinking and influence audiences
- empathy for others and appreciation of different perspectives through studying a range of literary and non-literary texts from diverse cultures and periods, including Australian texts by Aboriginal writers and/or Torres Strait Islander writers.

Pathways:

English is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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.

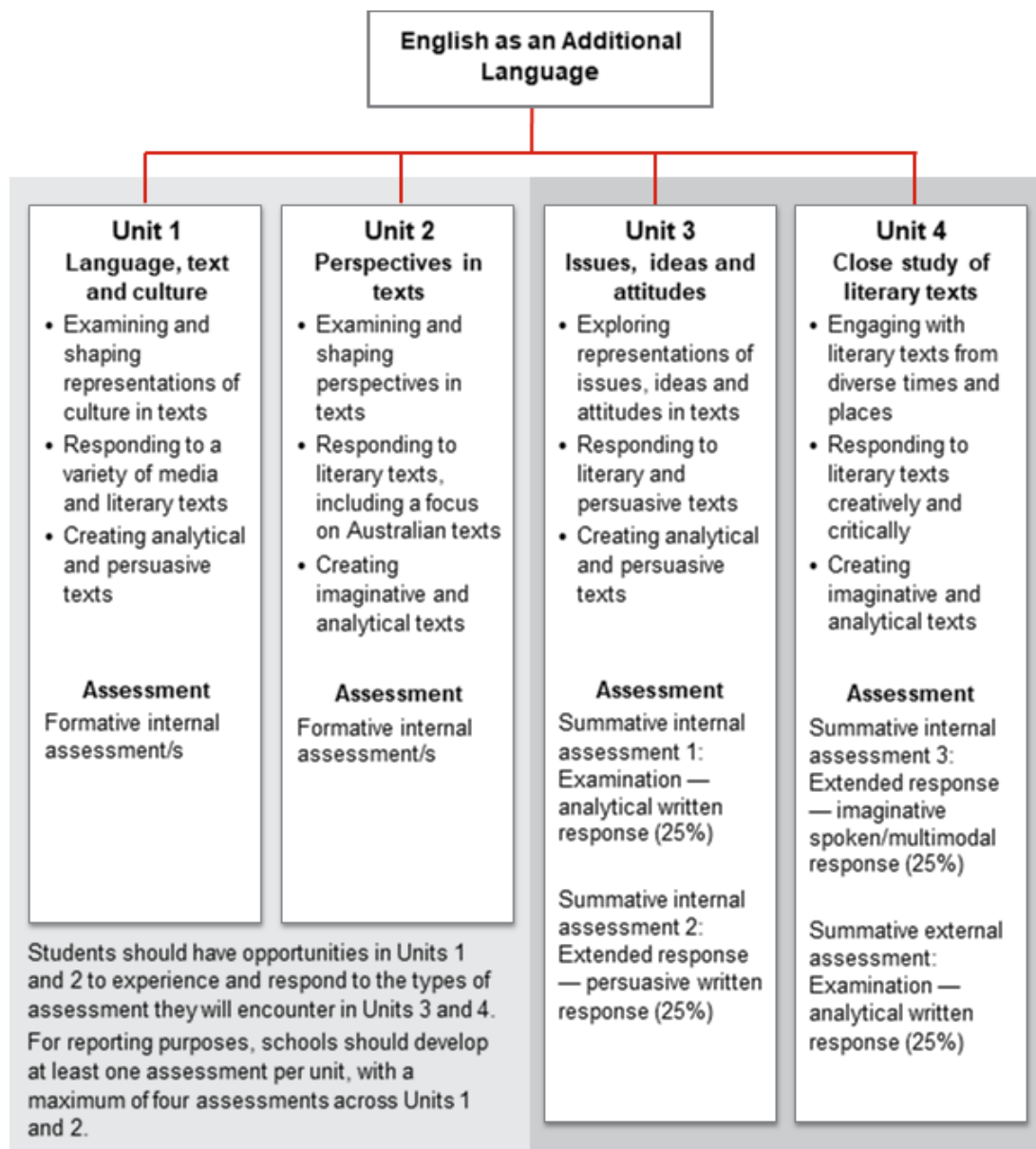
Course structure:

English is a course of study consisting of four units. Subject matter, learning experiences and assessment increase in complexity from Units 1 and 2 to Units 3 and 4 as students develop greater independence as learners.

Units 1 and 2 provide foundational learning, which allows students to experience all syllabus objectives and begin engaging with the course subject matter. Students should complete Units 1 and 2 before beginning Unit 3. It is recommended that Unit 3 be completed before Unit 4.

Units 3 and 4 consolidate student learning. Only the results from Units 3 and 4 will contribute to ATAR calculations.

Figure 2 outlines the structure of this course of study.



Each unit has been developed with a notional time of 55 hours of teaching and learning, including assessment.

For further information regarding English as an Additional Language, contact Kathleen Power or Darren Carnell (k.power@stpauls.qld.edu.au or d.carnell@stpauls.qld.edu.au).

ENGLISH LANGUAGE DEVELOPMENT PROGRAM (English Language Supported)

Curriculum Leader: Mrs Kathleen Power

Rationale:

In Australian schools, learning is accessed through English, and achievement is demonstrated through English. Each area of the curriculum has language structures and vocabulary particular to its learning domain, and these are best taught in the context in which they are used (ACARA, 2014). EAL/D students require specific support to build the English language skills necessary to access the range of syllabus that form part of the Queensland Curriculum and Assessment Authority's QCE system.

According to Cummins (1979) Cognitive Academic Language Proficiency takes a second language learner a minimum of 5-7 years to develop intermediate fluency. The EAL/D program aims to continue the development of students' language skills through their senior secondary studies and equip them with strategies they can use across all subject areas. The program will focus the continuation of their language skills in the following areas;

- Academic writing including referencing
- Assessment deconstruction and planning
- Oral language development
- Vocabulary development
- Strategies for reading and listening
- Study skills and strategies
- Assistance with subject specific tasks

In these classes, qualified ESL teachers assist students with their ongoing language development through the developing the following 21st century skills.

- Critical thinking
- Creative thinking
- Communication
- Collaboration and teamwork
- Personal and social skills

This subject is only available to students who are non-native speakers of English.

For further information regarding the English Language Development Program, contact Kathleen Power (k.power@stpauls.qld.edu.au).

**ENGLISH
LITERATURE**

Curriculum Leader: Mr Darren Carnell

Rationale:

The QCAA English learning area is made up of five senior secondary subjects: Essential English, English, Literature, English & Literature Extension, and English as an Additional Language. These subjects share common features that include the continuing development of students' knowledge, understanding and skills in listening, speaking, reading, viewing, designing and writing. Differences between the subjects lie in the emphasis on how language and skills are developed and the contexts in which they are applied.

The subject Literature focuses on the study of 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 literary texts.

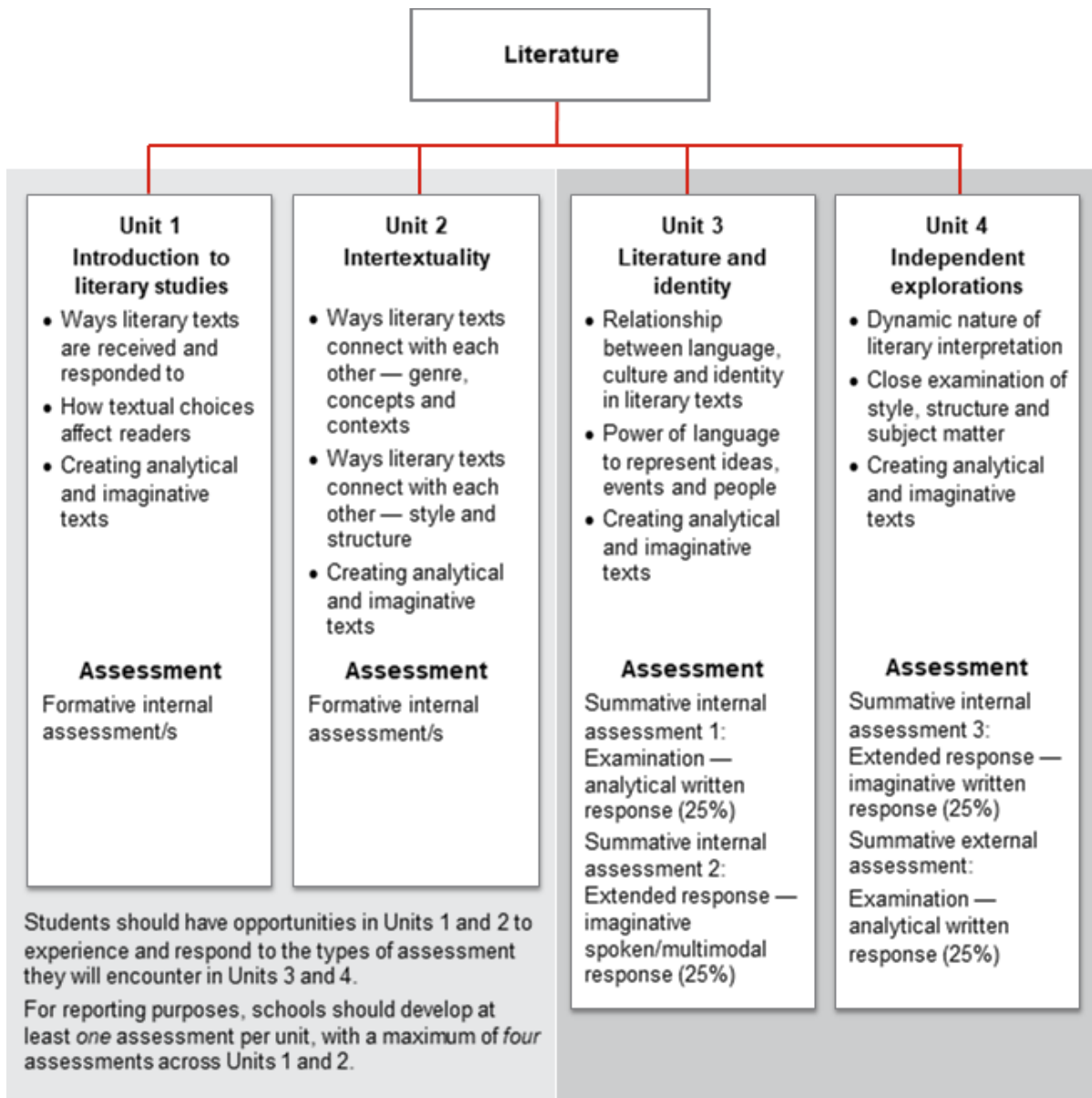
Students have opportunities to engage with language and texts through a range of teaching and learning experiences to foster:

- the skills to communicate effectively in Standard Australian English for the purposes of responding to and creating literary texts
- the skills to make choices about generic structures, language, textual features and technologies to participate actively in the dialogue and detail of literary analysis and the creation of imaginative and analytical texts in a range of modes, mediums and forms
- enjoyment and appreciation of literary texts and the aesthetic use of language
- creative thinking and imagination by exploring how literary texts shape perceptions of the world and enable us to enter the worlds of others
- critical exploration of ways in which literary texts may reflect or challenge social and cultural ways of thinking and influence audiences
- empathy for others and appreciation of different perspectives through studying a range of literary texts from diverse cultures and periods, including Australian texts by Aboriginal writers and/or Torres Strait Islander writers.

Pathways:

Literature is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Literature 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.

Course structure:



For further information regarding Literature, contact Darren Carnell (d.carnell@stpauls.qld.edu.au).

FITNESS (Certificate III)

Curriculum Leader: Mr Aaron Setterfield

Rationale:

This will be a stand-alone VET subject which will encompass Certificate III in Fitness in Year 11 and Year 12. Certificate III in Fitness upon successful completion will be awarded by an external Registered Training Organisation (RTO).

The Certificate III in Fitness course is designed to equip you with the knowledge and skills to perform the duties of a gym, group or aqua instructor at a commercial gym. The course provides you with an extensive knowledge of exercise principles which enable you to fully understand the effect of exercise on the body and therefore to write and adapt programs to suit the specific needs of individuals, groups or teams. You will be able to adapt programs to suit various environments as well as provide technical advice on equipment and exercise techniques.

Physical Education and Health - Fitness Studies is seen as complementary to both these Senior subjects with some of the material common to both subjects.

Assessment for the course is both theory and practically based. Theoretical components of the course will involve short and long answer responses and multiple choice responses. Practical components will be assessed using scenario based situations, role plays, client screening, planning and conducting fitness tests and fitness sessions.

This is a competency-based course. This means that students work to develop the competencies, skills and knowledge described in each Unit of Competency. To be assessed as competent a student must demonstrate to a qualified assessor that they can effectively carry out the various tasks and combinations of tasks listed to the standard required in the appropriate industry. There is no mark awarded in competency-based assessment. Students are assessed as either 'competent' or 'not yet competent'. Students will be progressively assessed in individual Units of Competency. When a student achieves a Unit of Competency it is signed off by the assessor in a Student Profile Sheet.

Pathways:

Work in a gym, leisure centre, on a cruise ship, PT studio, outdoors, at a holiday resort or health spa or even run your own business! Your career pathways are endless.

In addition to gaining the appropriate VET Certificates, there are the below QCE benefits of this subject offering:

- Certificate III in Fitness attracts 8 credit points
- One nationally recognised qualification necessary for industry recognition and Fitness Australia membership:
 - ✓ The Certificate III of Fitness (Fitness Instructor)
- Senior First Aid Certificate
- Valuable work experience during the two years in this industry
- Registration as a Fitness Instructor is valid Australian wide

Course structure:**Course Content**

- Exercise Science
- Exercise Programming
- Computing
- Workplace Skills
- Risk Management
- Nutrition
- Exercise Instruction
- Client Screening
- Motivational Psychology
- Clients with special requirements
- Body Composition
- Children's Training
- Fitness Testing
- First Aid
- Resistance Training
- Equipment Use and Maintenance
- Awareness of Specific Populations
- Advanced Programming
- Functional Core Training
- Athlete Strength and Conditioning
- Older Adult Training
- Postural Analysis
- Personal Training
- Body Composition

Student Activities

- Teacher exposition of theoretical concepts.
- Full class discussion.
- Training program development and analysis.
- Analysis of case studies/scenarios.
- Small group work.
- Please be aware that this subject involves a theoretical component (50%). The practical component involves work in the gym to screen clients and build programs for them, as well as individual fitness participation (50%).

For further information regarding Fitness, contact Aaron Setterfield (a.setterfield@stpauls.qld.edu.au).

FOOD AND NUTRITION

Curriculum Leader (acting): Mr Andrew Wilson

Rationale:

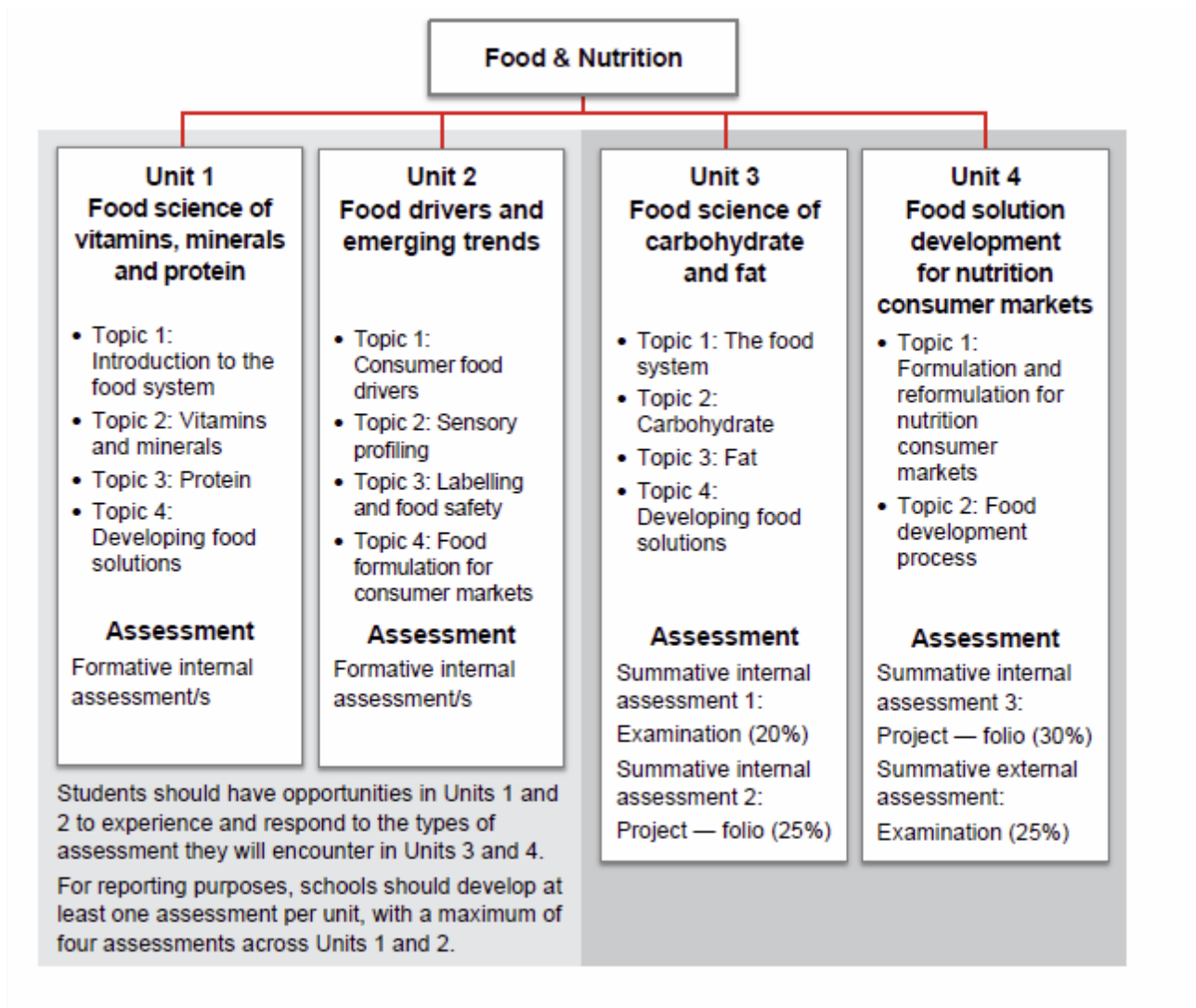
Food and Nutrition is the study of food in the context of food science, nutrition and food technologies. Students explore the chemical and functional properties of nutrients to create food solutions that maintain the beneficial nutritive values. This knowledge is fundamental for continued development of a safe and sustainable food system that can produce high quality, nutritious solutions with an extended shelf life. The food system includes the sectors of production, processing, distribution, consumption, research and development. Waste management, sustainability and food protection are overarching concepts that have an impact on all sectors of the food system. Students will actively engage in a food and nutrition problem solving process to create food solutions that contribute positively to preferred personal, social, ethical, economic, environmental, legal, sustainable and technological futures.

Food and Nutrition is a developmental course of study. In Unit 1, students develop an understanding of the chemical and functional properties of vitamins, minerals and protein, as well as food safety, spoilage and preservation. In Unit 2, students explore consumer food drivers, sensory profiling, labelling and food safety, and the development of food formulations. In Unit 3, students develop knowledge about the chemical, functional and sensory properties of carbohydrate and fat, and food safety, food preservation techniques and spoilage. In Unit 4, students develop an awareness of the interdisciplinary nature of food science, nutrition and technologies in relation to solving food and nutrition problems and improving safety, nutrition, convenience, transparency and accessibility for the consumer, as well as considering the wider impacts and implications of the solution. Using a problem-based learning approach, students learn to apply their food science, nutrition and technologies knowledge to solve real-world food and nutrition problems. This includes: exploring problems; developing ideas; generating, communicating and testing solutions; and evaluating the process and solutions. Students will integrate and use new and existing knowledge to make decisions and solve problems through investigation, experimentation and analysis.

Pathways:

Food and Nutrition is a General subject suited to students who are interested in pathways beyond school that lead to further education, training and employment. A course of study in Food and Nutrition can establish a basis for further education and employment in the fields of science, technology, engineering and health.

Course structure:



For further information regarding Food and Nutrition, contact Andrew Wilson (a.wilson@stpauls.qld.edu.au).

GEOGRAPHY

Curriculum Leader: Mrs Kerbi McMillan

Rationale:

Geography teaches us about the significance of 'place' and 'space' in understanding our world. These two concepts are foundational to the discipline, with the concepts of environment, interconnection, sustainability, scale and change building on this foundation. By observing and measuring spatial, environmental, economic, political, social and cultural factors, geography provides a way of thinking about contemporary challenges and opportunities.

This course of study enables students to appreciate and promote a more sustainable way of life. Through analysing and applying geographical knowledge, students develop an understanding of the complexities involved in sustainable planning and management practices. Geography aims to encourage students to become informed and adaptable so they develop the skills required to interpret global concerns and make genuine and creative contributions to society. It contributes to their development as global citizens who recognise the challenges of sustainability and the implications for their own and others' lives.

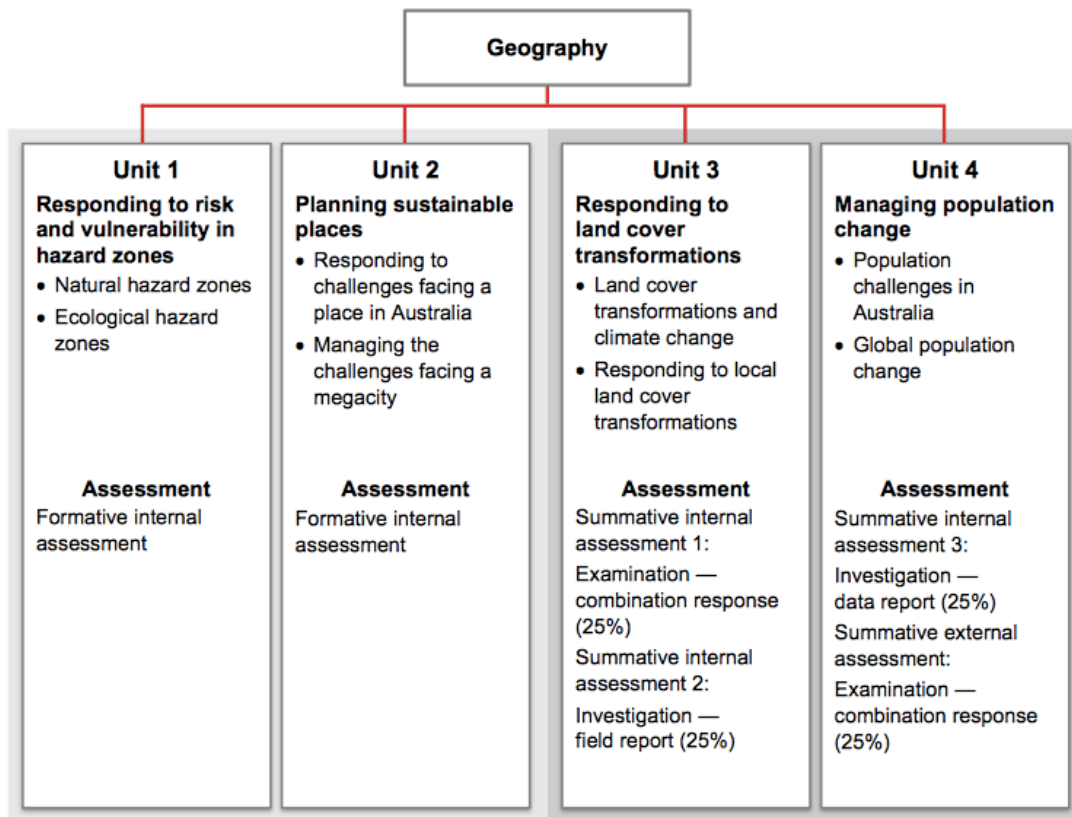
Geography aims to develop students':

- literacy — the set of knowledge and skills about language and texts essential for understanding and conveying Geography content
- numeracy — the knowledge, skills, behaviours and dispositions that students need to use mathematics in a wide range of situations, to recognise and understand the role of mathematics in the world, and to develop the dispositions and capacities to use mathematical knowledge and skills purposefully
- 21st century skills — the attributes and skills students need to prepare them for higher education, work and engagement in a complex and rapidly changing world.

Pathways:

Geography is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Geography can establish a basis for further education and employment in the fields of urban and environmental design, planning and management; biological and environmental science; conservation and land management; emergency response and hazard management; oceanography, surveying, global security, economics, business, law, engineering, architecture, information technology, and science. These pathways draw on the skills acquired through understanding and using spatial technologies.

Course Structure:



For further information regarding Geography, contact Kerbi McMillan (k.mcmillan@stpauls.qld.edu.au).

HEALTH

Curriculum Leader: Mr Aaron Setterfield

Rationale:

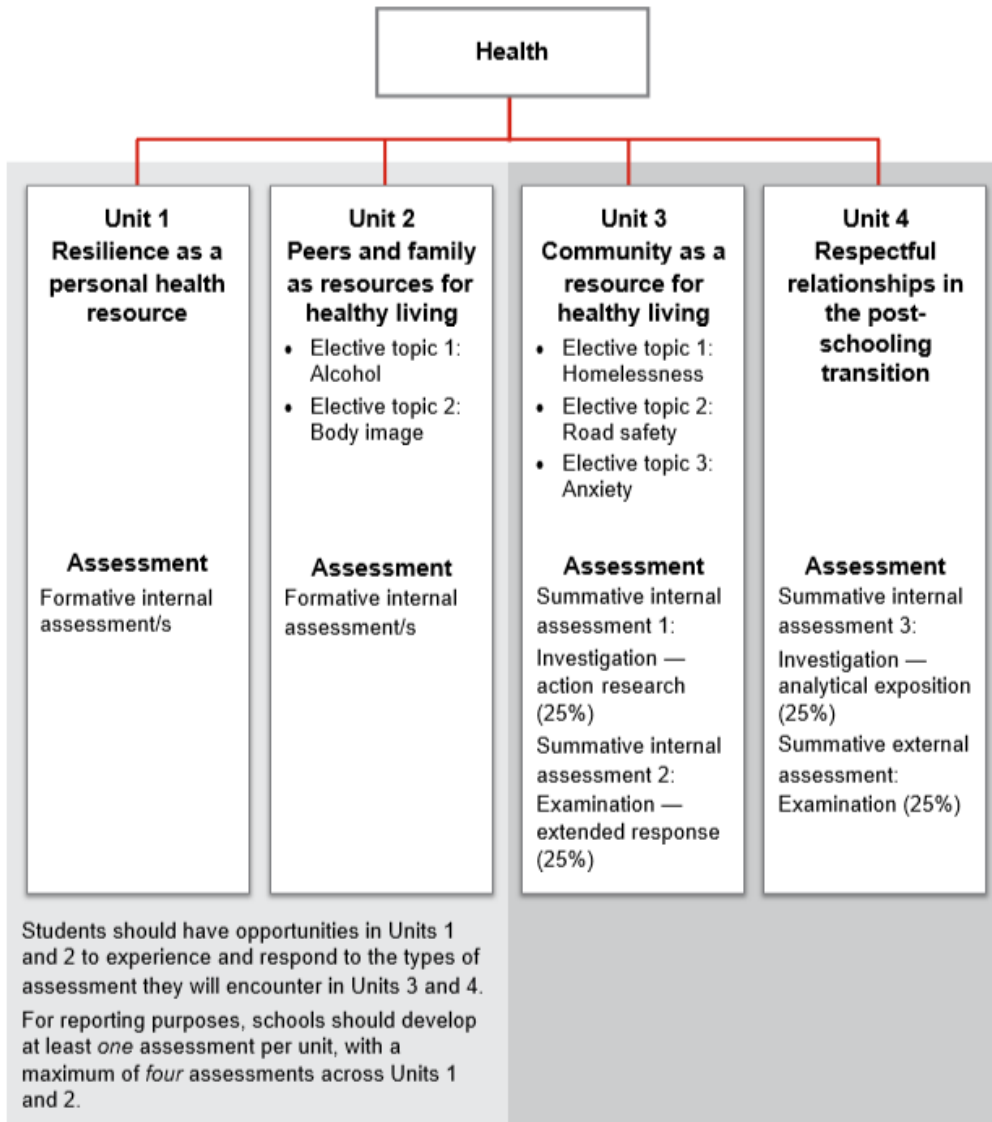
The knowledge, understanding and skills taught through Health and Physical Education enable students to explore and enhance their own and others' health and physical activity in diverse and changing contexts. Development of the physical, intellectual, social, emotional and spiritual capacities necessary in the strands of 'Movement and physical activity' and 'Personal, social and community health' are key components of the P–10 Australian Curriculum: Health and Physical Education. They provide the foundations for learning and alignment to the QCAA Physical Education and Health senior syllabuses, to build increasingly complex and developmental courses of study in the senior years.

The Health syllabus is developmental and becomes increasingly more complex across the four units through the use of overarching approaches, frameworks and resources. This syllabus is underpinned by a salutogenic (strengths-based) approach, which focuses on how health resources are accessed and enhanced. Resilience as a personal health resource in Unit 1, establishes key teaching and learning concepts, which build capacity for the depth of understanding over the course of study. Unit 2 focuses on the role and influence of peers and family as resources through one topic selected from two choices: Elective topic 1: Alcohol, or Elective topic 2: Body image. Unit 3 explores the role of the community in shaping resources through one topic selected from three choices: Elective topic 1: Homelessness, Elective topic 2: Road safety, or Elective topic 3: Anxiety. The culminating unit challenges students to investigate and evaluate innovations that influence respectful relationships to help them navigate the post-schooling life-course transition.

Pathways:

Health is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Health can establish a basis for further education and employment in the fields of health science, public health, health education, allied health, nursing and medical professions.

Course Structure:



For further information regarding Health, contact Aaron Setterfield (a.setterfield@stpauls.qld.edu.au).

HOSPITALITY PRACTICES (Applied)

Curriculum Leader (acting): Mr Andrew Wilson

Rationale:

The hospitality industry has become increasingly important economically in Australian society and is one of the largest employers in the country. It specialises in delivering products and services to customers, and it consists of different sectors, including food and beverage, accommodation, clubs and gaming. Hospitality offers a range of exciting and challenging long-term career opportunities across a range of businesses. The industry is dynamic and uses skills that are transferrable across sectors and geographic borders.

Hospitality Practices enables students to develop knowledge, understanding and skills of the hospitality industry and to consider a diverse range of post school options. The Hospitality Practices syllabus emphasises the food and beverage sector, which includes food and beverage production and service. Through this focus, students develop an understanding of hospitality and the structure, scope and operation of related activities in the food and beverage sector.

Students develop awareness of industry workplace culture and practices and develop the skills, processes and attitudes desirable for future employment in the sector. They have opportunities to develop personal attributes that contribute to employability, including the abilities to communicate, connect and work with others, plan, organise, solve problems, and navigate the world of work.

Pathways:

A course of study in Hospitality Practices can establish a basis for further education and employment in the hospitality sectors of food and beverage, catering, accommodation and entertainment. Students could pursue further studies in hospitality, hotel, event and tourism or business management, which allows for specialisation.

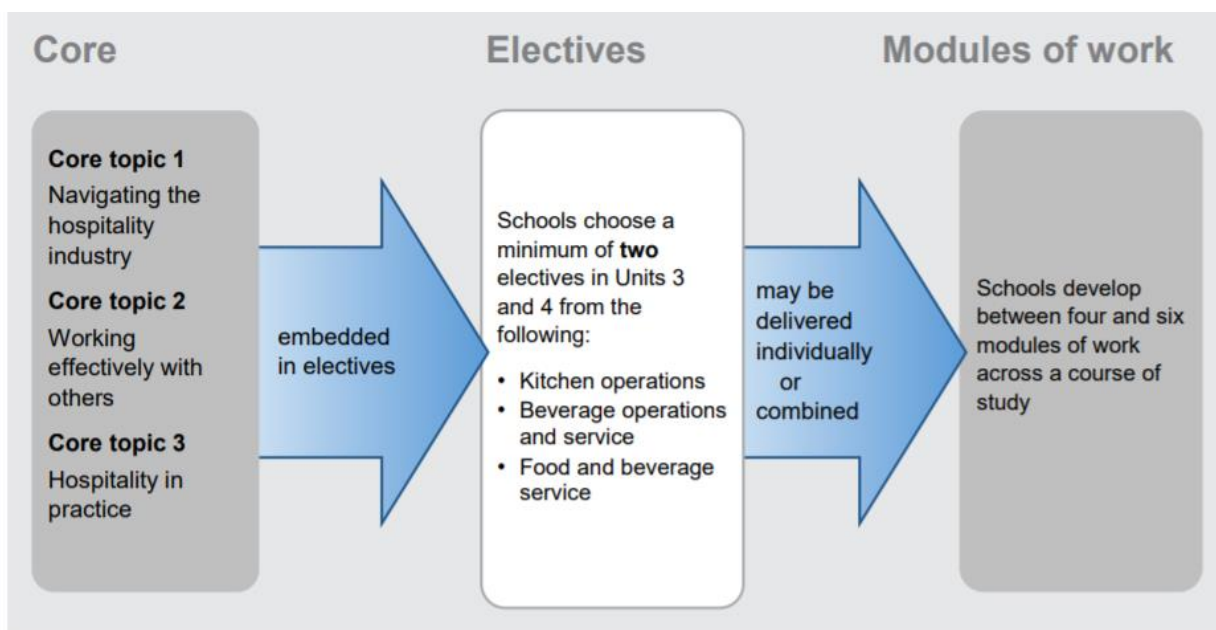
Course Structure:

A course of study consists of three core topics — navigating the hospitality industry, working effectively with others, and hospitality in practice. The core topics describe concepts and ideas and the associated knowledge, understanding and skills fundamental to the hospitality industry, and are delivered through electives. The three electives — kitchen operations, beverage operations and service, and food and beverage service — represent key employment areas within the food and beverage sector, enabling students to develop a solid understanding of the sector.

The subject enables students to develop skills in food and beverage production and service. They work as individuals and as part of teams to plan and implement events in a hospitality context. Students plan and implement at least one actual event in a hospitality context by midway through the course (end of Unit 2) and again by the end of the course (end of Unit 4). Events provide opportunities for students to participate in and produce food and beverage products and perform service for customers in real-world hospitality contexts.

As well, students examine and evaluate industry practices from the food and beverage sector. Students develop awareness of industry workplace culture and practices and develop the skills, processes and attitudes desirable for future employment in the sector. They have opportunities to develop personal attributes that contribute to employability, including the abilities to communicate, connect and work with others, plan, organise, solve problems, and navigate the world of work.

The course of study will be developed to suit the students' needs.



For further information regarding Hospitality Practices, contact Andrew Wilson (a.wilson@stpauls.qld.edu.au).

INFORMATION AND COMMUNICATION TECHNOLOGY (Applied)

Curriculum Leader: Mr Bryson Stansfield

Rationale:

The subject Information and Communication Technology (ICT) focuses on the knowledge, understanding and skills related to engagement with information and communication technology through a variety of elective contexts.

ICT is a subject aimed at solving problems and creating opportunities through information technology (IT). Whether the problems are keeping in contact with friends (solved with Facebook), making it easy to sponsor African children (solved through the World Vision website) or trying to make a road safety message memorable (done with video, graphics or an animation), solutions have to be developed and IT makes it possible.

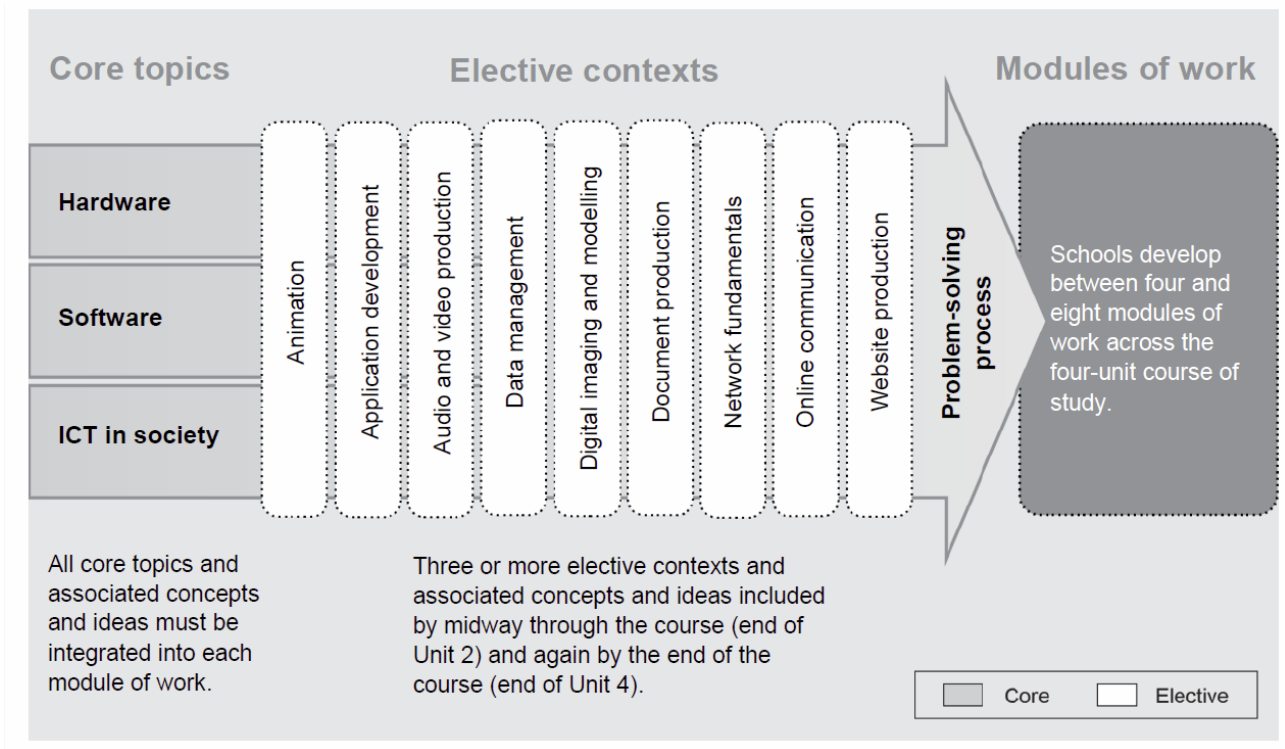
ICT is a creative, practical subject which seeks to prepare students to meet these demands and be responsive to emerging technologies and trends. It provides students with the knowledge, skills, processes and understandings to manage a project to solve the problems of clients.

The project-based nature of ICT provides opportunities for the development of a wide range of thinking skills in substantial depth. In their studies students will collect, analyse and organise information in various forms, and plan and organise research and investigations. Individually and in groups, students will solve problems associated with a variety of IT contexts. The course is clearly focussed on solving problems using a problem-based learning approach, underpinned by design thinking, and this structured problem-solving methodology will be universally applicable to students in many disciplines. Overall, this course will prove relevant to students in the way it prepares students to define, plan and then implement solutions to problems in a variety of different IT contexts, allowing students to showcase their creativity.

Pathways:

A course of study in Information and Communication Technology can establish a basis for further education and employment in many fields especially the fields of ICT operations, help desk, sales support, digital media support, office administration, records and data management, and call centres.

Course structure:



The course is structured around students choosing particular units which appeal to them. This allows students to focus on areas of study that they find interesting and relevant and may complement other studies, interests or jobs.

Year 11 of the course provides students with foundational knowledge across a range of the following contexts. Year 12 allows students to choose 2 units of study from these contexts, along with negotiate a Major Project for their final semester of study. The contexts available for students to choose from include:

- Games Development
- Web Development
- Internet of Things and Robotics Development
- Graphic Design
- Animation
- Video and Audio Production

For example, a student may choose to study 3 units from the Games Development context, while another may choose 2 units from Web Development context and the third unit from the Graphic Design context.

Students will culminate their studies in a final Major Project unit, which will be based either on one of the above contexts or negotiated with the teacher.

For further information regarding Information Communication Technology, contact Bryson Stansfield (b.stansfield@stpauls.qld.edu.au).

INDUSTRIAL TECHNOLOGY SKILLS (Applied)

Curriculum Leader: Mr Andrew Wilson

Rationale:

The Industrial Technology Skills subject focuses on the underpinning industry practices and production processes required to manufacture products in a variety of industries, including aeroskills, automotive, building and construction, engineering, furnishing and plastics. It provides a unique opportunity for students to experience the challenge and personal satisfaction of undertaking practical work while developing beneficial vocational and life skills.

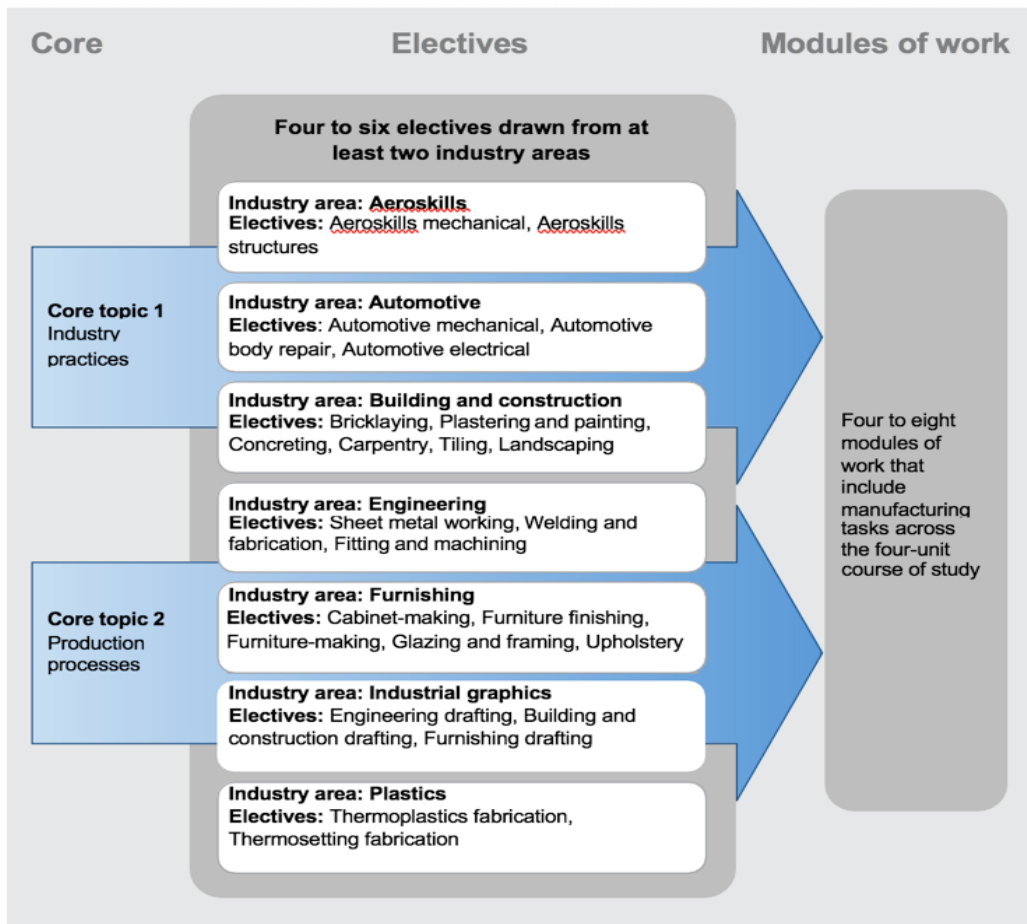
Through both individual and collaborative learning experiences, students learn to meet customer expectations of product quality at a specific price and time. The majority of learning is done through manufacturing tasks that relate to business and industry, and that promote adaptable, competent, self-motivated and safe individuals who can work with colleagues to solve problems and complete practical work.

By doing manufacturing tasks, students develop transferable skills relevant to a range of industry- based electives and future employment opportunities. They understand industry practices, interpret specifications, including technical 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.

Pathways:

A course of study in Industrial Technology Skills can establish a basis for further education and employment in manufacturing industries, and help students understand the different careers available. With additional training and experience, potential employment opportunities may be found in the industry areas of aeroskills, automotive, building and construction, engineering, furnishing, industrial graphics and plastics.

Course structure:



For further information regarding Industrial Technology Skills, contact Andrew Wilson (a.wilson@stpauls.qld.edu.au).

LANGUAGES**CHINESE**

Curriculum Leader: Ms Amanda van Rosmalen

Rationale:

The need to communicate is the foundation for all language development. People use language to achieve their personal communicative needs — to express, exchange, interpret and negotiate meaning, and to understand the world around them. The central goal for additional language acquisition is communication. Students do not simply learn a language — they participate in a range of interactions in which they exchange meaning and become active participants in understanding and constructing written, spoken and visual texts.

Chinese is the study of communication that comes across a range of contexts for a range of purposes. In Unit 1, students compare and contrast lifestyles and education in Australian and Chinese-speaking communities, schools, homes and peer-group contexts. In Unit 2, students move beyond their personal world to how they engage with the world. They do this by exploring options for personal travel and tourism in Chinese-speaking countries and Australia, and by considering the associated cultural conventions. In Unit 3, students investigate their place in society. They reflect on roles and relationships in society and how they and their peers retain a sense of connectedness and belonging. In Unit 4, students focus on their final year of school and their post-school future. This includes end-of-school celebrations, students' plans for their immediate future and how these plans, responsibilities and aspirations compare with those of young Chinese speakers.

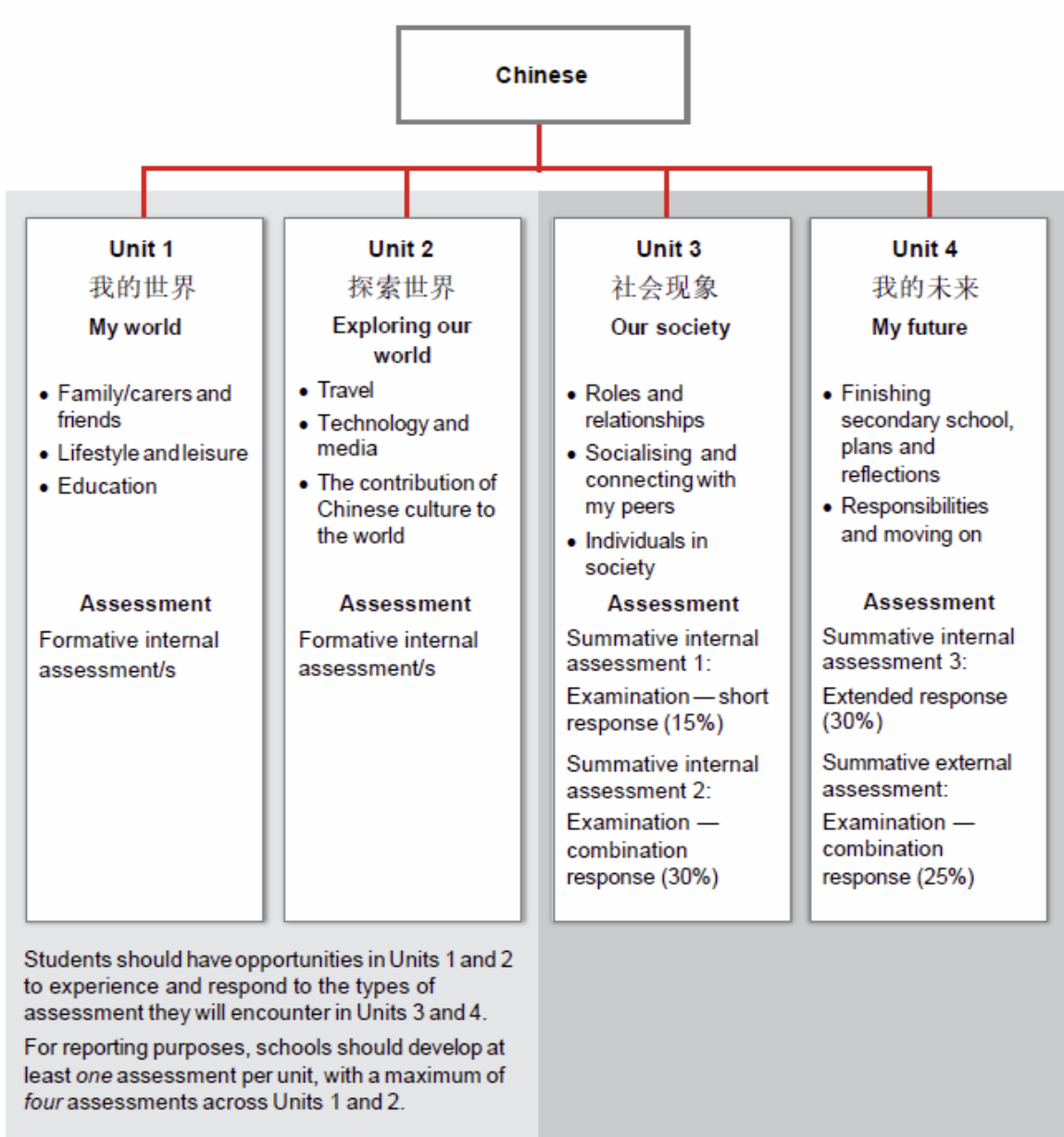
Chinese aims to develop students':

- understanding of a language and the communities that use it, while also assisting in the effective negotiation of experiences and meaning across cultures and languages.
- ability to reorganise their thinking to accommodate other linguistic and intercultural knowledge and textual conventions.
- ability to explore cultural diversity and similarities between another language and their own.
- critical and creative thinking, and encourage them to use language in a meaningful way through the exchange of information, ideas and perspectives relevant to their life experiences.
- knowledge, understanding and skills that enable successful participation in a global society. Communication in an additional language expands students' horizons and opportunities as national and global citizens.

Pathways:

Chinese is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Chinese can establish a basis for further education and employment in many professions and industries. For example, those which value the knowledge of an additional language and the intercultural understanding it encompasses, such as business, hospitality, law, science, technology, sociology and education.

Course Structure:



For further information regarding Chinese, contact Amanda van Rosmalen (a.vanrosmalen@stpauls.qld.edu.au).

LANGUAGES**JAPANESE**

Curriculum Leader: Ms Amanda van Rosmalen

Rationale:

The need to communicate is the foundation for all language development. People use language to achieve their personal communicative needs — to express, exchange, interpret and negotiate meaning, and to understand the world around them. The central goal for additional language acquisition is communication. Students do not simply learn a language — they participate in a range of interactions in which they exchange meaning and become active participants in understanding and constructing written, spoken and visual texts.

Japanese is the study of communication that comes across a range of contexts for a range of purposes. In Unit 1, students compare and contrast lifestyles and education in Australian and Japanese-speaking communities, schools, homes and peer-group contexts. In Unit 2, students move beyond their personal world to how they engage with the world. They do this by exploring options for personal travel and tourism in Japanese-speaking countries and Australia, and by considering the associated cultural conventions. In Unit 3, students investigate their place in society. They reflect on roles and relationships in society and how they and their peers retain a sense of connectedness and belonging. In Unit 4, students focus on their final year of school and their post-school future. This includes end-of-school celebrations, students' plans for their immediate future and how these plans, responsibilities and aspirations compare with those of young Japanese speakers.

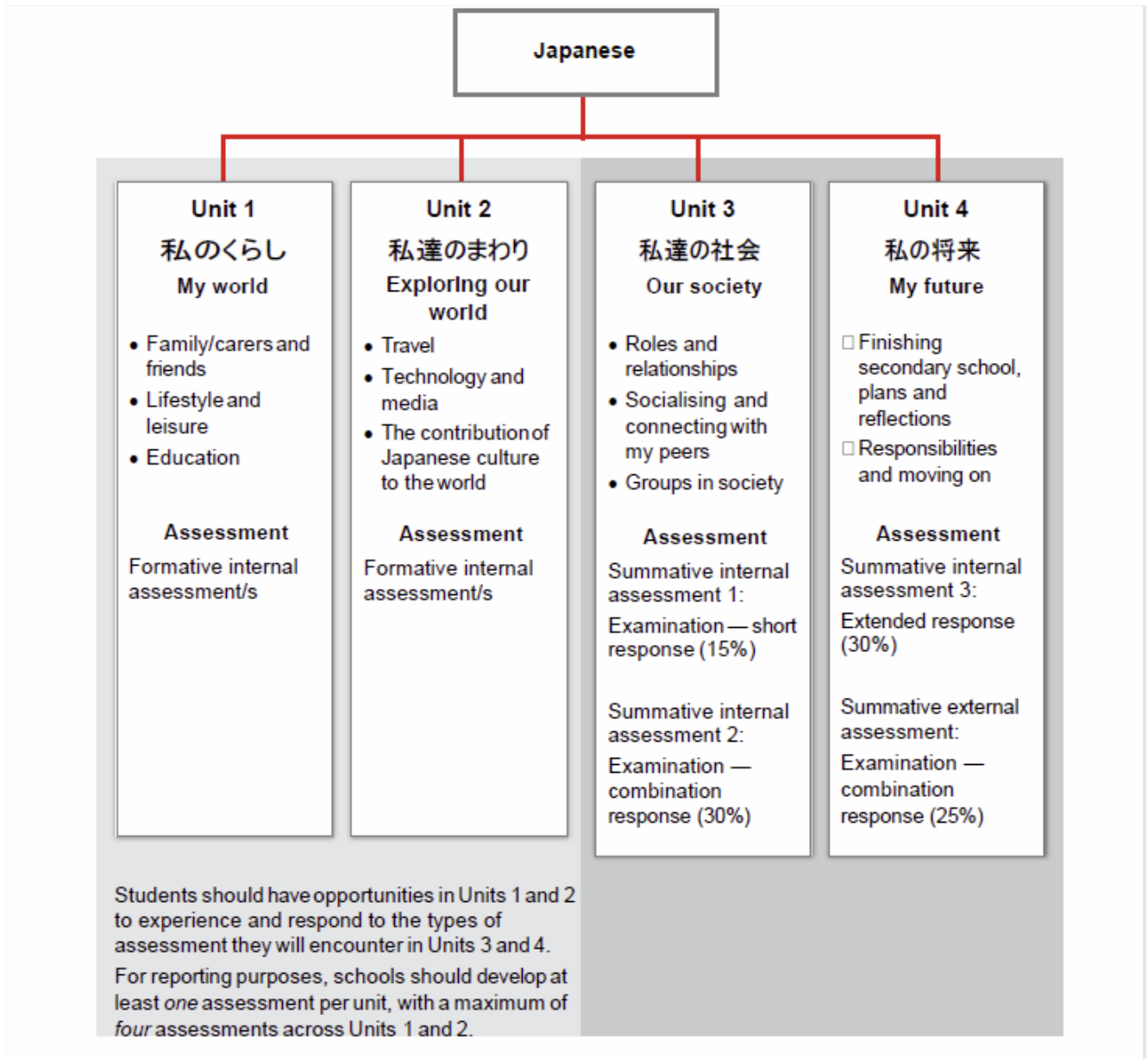
Japanese aims to develop students':

- understanding of a language and the communities that use it, while also assisting in the effective negotiation of experiences and meaning across cultures and languages.
- ability to reorganise their thinking to accommodate other linguistic and intercultural knowledge and textual conventions.
- ability to explore cultural diversity and similarities between another language and their own.
- critical and creative thinking, and encourage them to use language in a meaningful way through the exchange of information, ideas and perspectives relevant to their life experiences.
- knowledge, understanding and skills that enable successful participation in a global society. Communication in an additional language expands students' horizons and opportunities as national and global citizens.

Pathways:

Japanese is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Japanese can establish a basis for further education and employment in many professions and industries. For example, those which value the knowledge of an additional language and the intercultural understanding it encompasses, such as business, hospitality, law, science, technology, sociology and education.

Course Structure:



For further information regarding Japanese, contact Amanda van Rosmalen (a.vanrosmalen@stpauls.qld.edu.au).

LEGAL STUDIES

Curriculum Leader: Mrs Kerbi McMillan

Rationale:

Legal Studies focuses on the interaction between society and the discipline of law. 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. An understanding of legal processes and concepts enables citizens to be better informed and able to constructively question and contribute to the improvement of laws and legal processes. This is important as the law is dynamic and evolving, based on values, customs and norms that are challenged by technology, society and global influences.

Legal Studies explores the role and development of law in response to current issues. The subject starts with the foundations of law and explores the criminal justice process through to punishment and sentencing. Students then study the civil justice system, focusing on contract law and negligence. With increasing complexity, students critically examine issues of governance that are the foundation of the Australian and Queensland legal systems, before they explore contemporary issues of law reform and change. The study finishes with considering Australian and international human rights issues. Throughout the course, students analyse issues and evaluate how the rule of law, justice and equity can be achieved in contemporary contexts.

The primary skills of inquiry, critical thinking, problem-solving and reasoning empower Legal Studies students to make informed and ethical decisions and recommendations. Learning is based on an inquiry approach that develops reflection skills and metacognitive awareness. Through inquiry, students 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 improve their research skills by using information and communication technology (ICT) and databases to access case law and legislation. Students analyse legal information to determine the nature and scope of the legal issue, examine different or opposing views, which are evaluated against legal criteria. These are critical skills that allow students to think strategically in the 21st century.

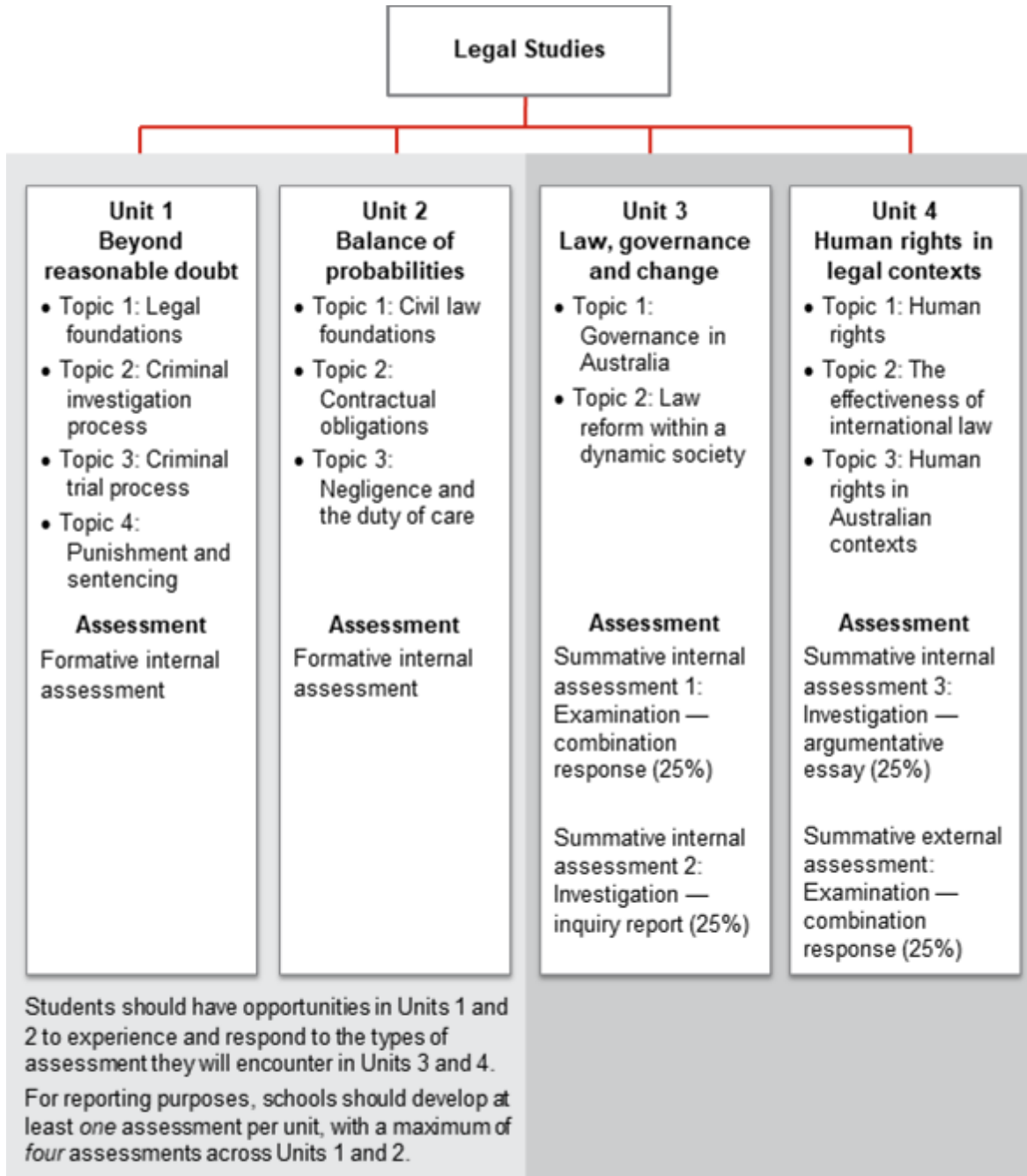
Knowledge of the law enables students to have confidence in approaching and accessing the legal system, and provides them with an appreciation of the influences that shape the system. Legal knowledge empowers students to make constructive judgments on, and knowledgeable commentaries about, the law and its processes. Students examine and justify viewpoints involved in legal issues, while also developing respect for diversity. Legal Studies satisfies interest and curiosity as students question, explore and discuss tensions between changing social values, justice and equitable outcomes.

Legal Studies enables students to appreciate how the legal system is relevant to them and their communities. The subject enhances students' abilities to contribute in an informed and considered way to legal challenges and change, both in Australia and globally.

Pathways:

Legal Studies is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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 Legal Studies 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.

Course structure:



For further information regarding Legal Studies, contact Kerbi McMillan (k.mcmillan@stpauls.qld.edu.au).

MATHEMATICS

ESSENTIAL MATHEMATICS (Applied)

Curriculum Leader: Ms Janine Colwell

Rationale:

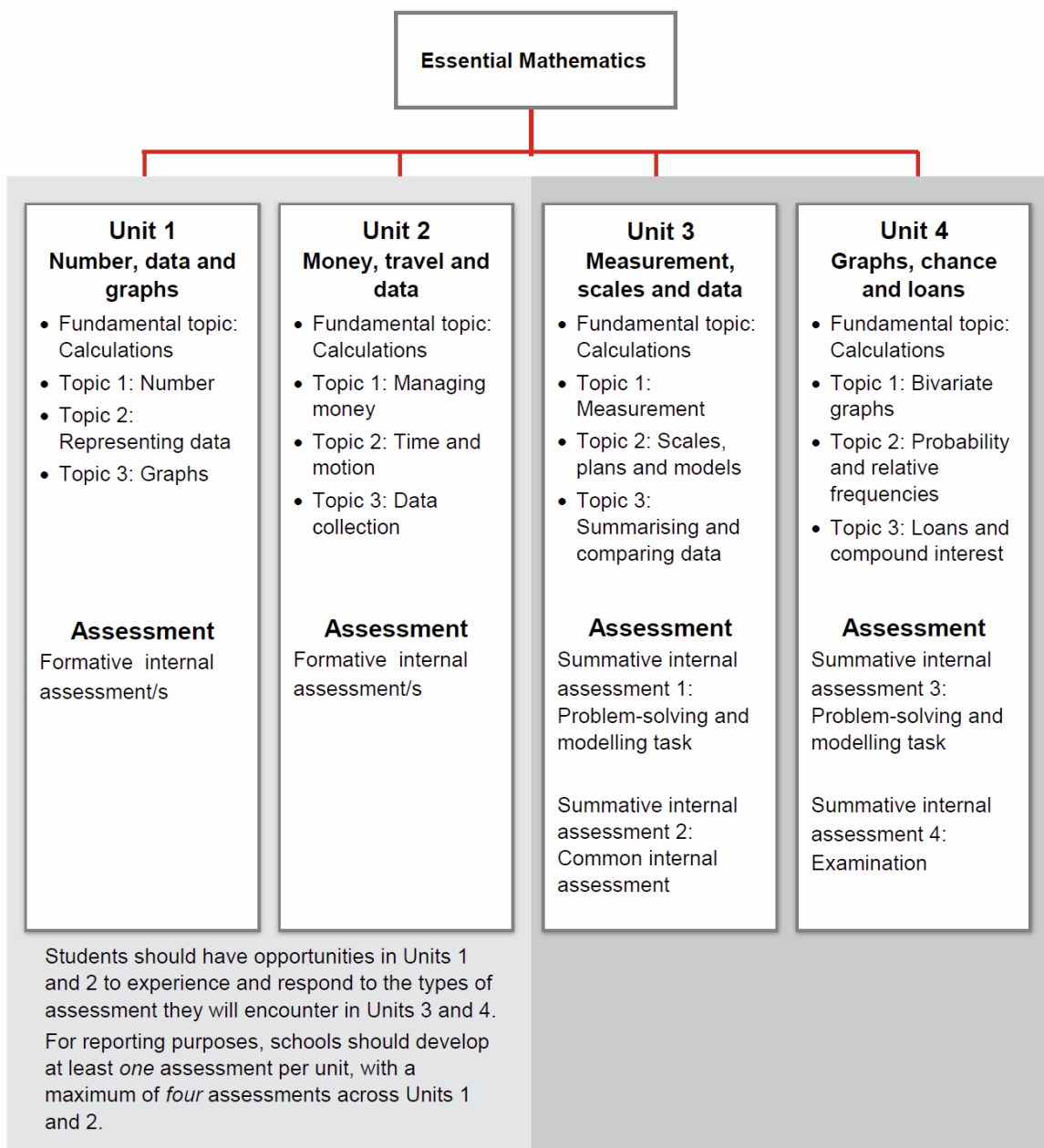
Mathematics is a unique and powerful intellectual discipline that is used to investigate patterns, order, generality and uncertainty. Students will benefit from studies in Essential Mathematics because they will develop skills that go beyond the traditional ideas of numeracy. This is achieved through a greater emphasis on estimation, problem-solving and reasoning, which develops students into thinking citizens who interpret and use mathematics to make informed predictions and decisions about personal and financial priorities. Students will see mathematics as applicable to their employability and lifestyles, and develop leadership skills through self-direction and productive engagement in their learning.

The Essential Mathematics program is broken into 4 units. Units 1 and 2 are completed in Year 11 and formatively assessed. In Year 12, all assessment completed will be summative and combined with the results from an external exam to give students their overall result.

Pathways:

Essential Mathematics is an Applied subject suited to students who are interested in pathways beyond Year 12 that lead to tertiary studies, vocational education or work. 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 will 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.

Course Structure:



Essential Equipment: Non-programmable Scientific Calculator, preferred model is the Casio fx-82AU Plus II.

For further information regarding Essential Mathematics, contact Janine Colwell (j.colwell@stpauls.qld.edu.au).

MATHEMATICS**GENERAL MATHEMATICS****Curriculum Leader: Ms Janine Colwell****Rationale:**

Mathematics is a unique and powerful intellectual discipline that is used to investigate patterns, order, generality and uncertainty. 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. It incorporates a practical approach that equips learners for their needs as future citizens.

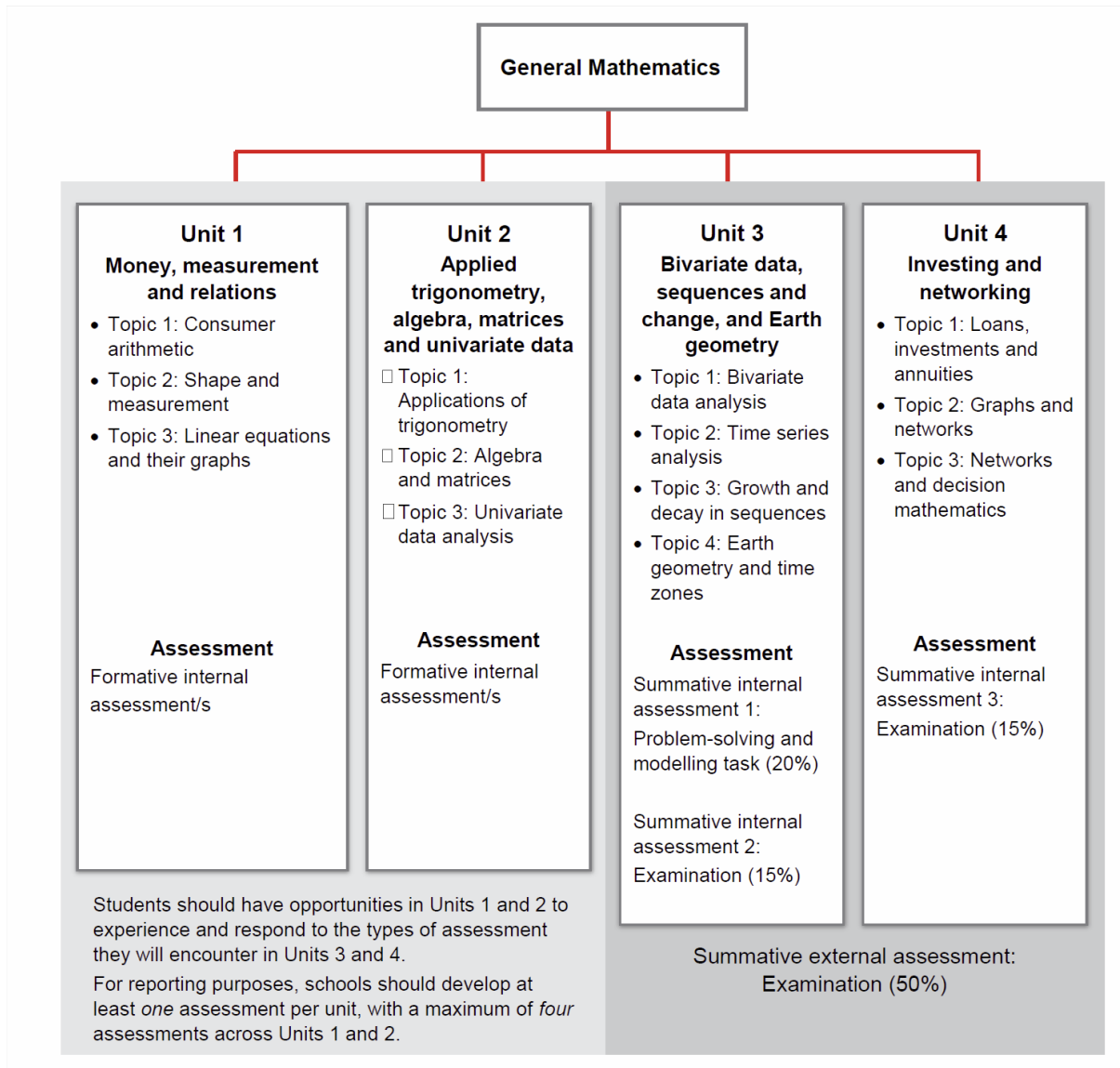
Students will learn to ask appropriate questions, map out pathways, reason about complex solutions, set up models and communicate in different forms. They will experience the relevance of mathematics to their daily lives, communities and cultural backgrounds. They will develop the ability to understand, analyse and take action regarding social issues in their world.

The General Mathematics program is broken into 4 units. Units 1 and 2 are completed in Year 11 and formatively assessed. In Year 12, all assessment completed will be summative and combined with the results from an external exam to give students their overall result.

Pathways:

General Mathematics is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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.

Course Structure:



Essential Equipment: Non-programmable Scientific Calculator, preferred model is the Casio fx-82AU Plus II.

For further information regarding General Mathematics, contact Janine Colwell (j.colwell@stpauls.qld.edu.au).

MATHEMATICS**MATHEMATICAL METHODS**

Curriculum Leader: Ms Janine Colwell

Rationale:

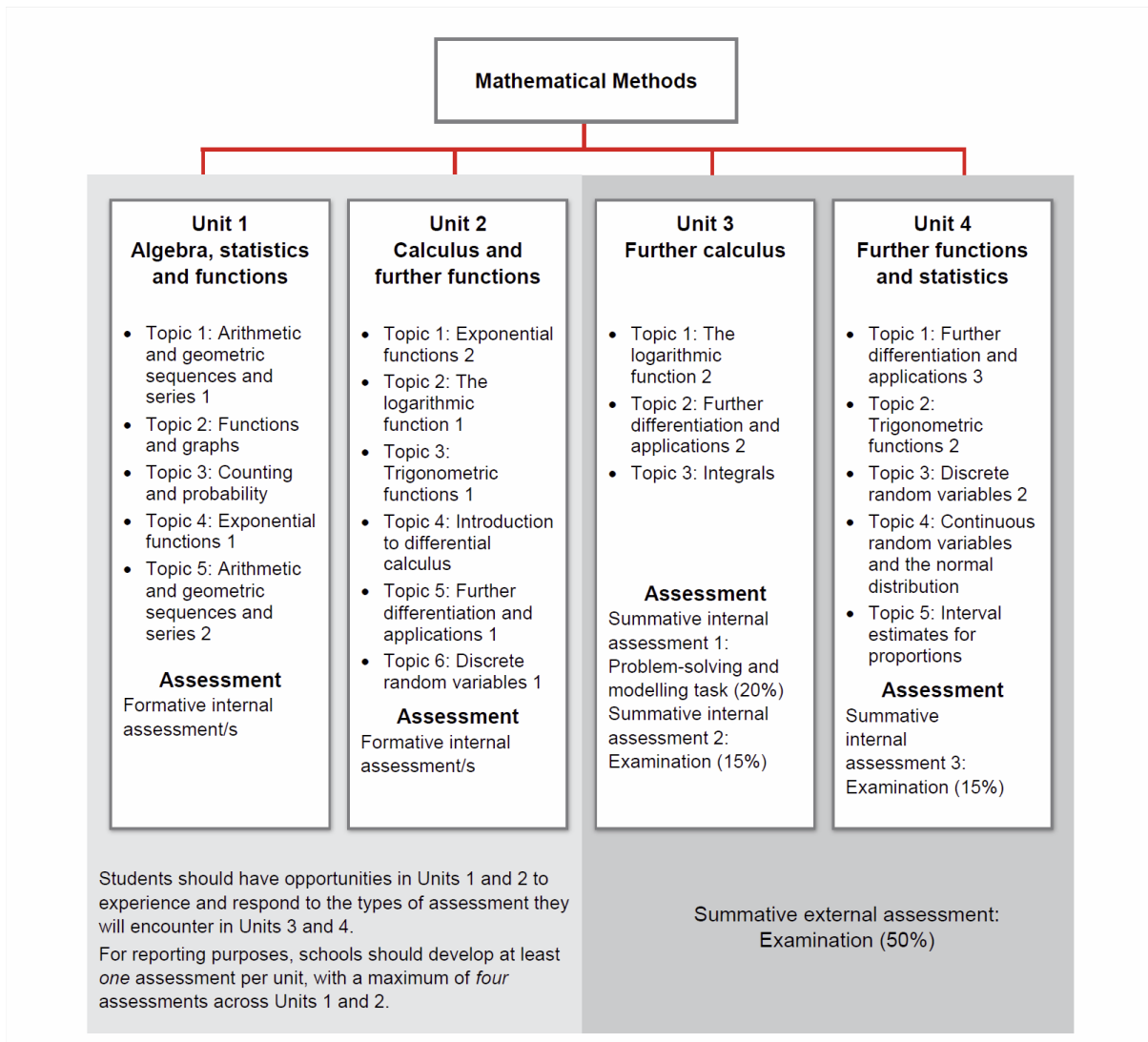
Mathematics is a unique and powerful intellectual discipline that is used to investigate patterns, order, generality and uncertainty. Students who undertake Mathematical Methods will see the connections between mathematics and other areas of the curriculum and apply their mathematical skills to real-world problems, becoming critical thinkers, innovators and problem-solvers. Through solving problems and developing models, they will appreciate that mathematics and statistics are dynamic tools that are critically important in the 21st century.

The Mathematical Methods program is broken into 4 units. Units 1 and 2 are completed in Year 11 and formatively assessed. In Year 12, all assessment completed will be summative and combined with the results from an external exam to give students their overall result.

Pathways:

Mathematical Methods is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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.

Course Structure:



Essential Equipment: Non-programmable Graphics Calculator, preferred model is the Casio fx-CG-50AU.

For further information regarding Mathematical Methods, contact Janine Colwell (j.colwell@stpauls.qld.edu.au).

MATHEMATICS**SPECIALIST MATHEMATICS**

Curriculum Leader: Ms Janine Colwell

Rationale:

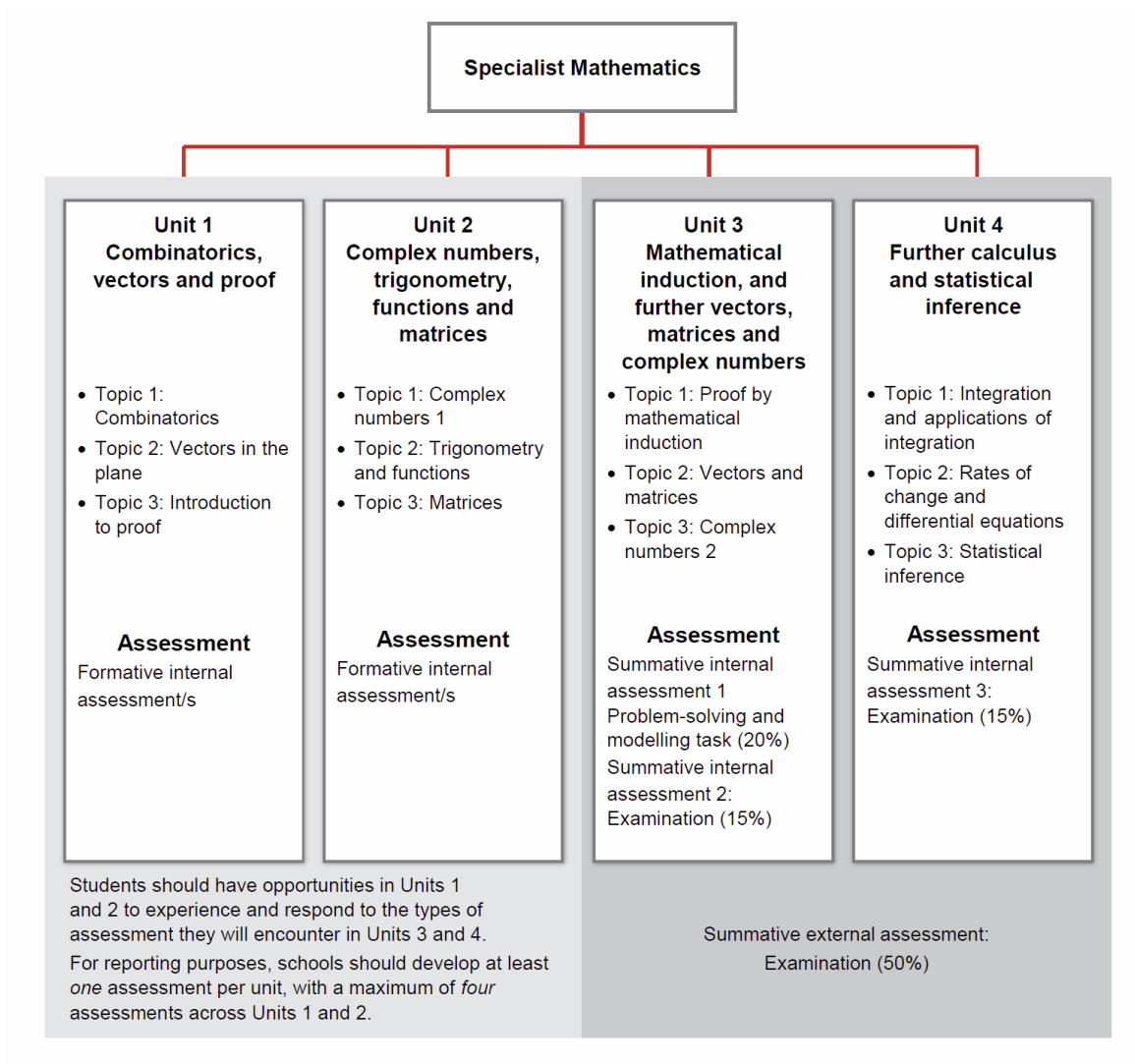
Mathematics is a unique and powerful intellectual discipline that is used to investigate patterns, order, generality and uncertainty. Students who undertake Specialist Mathematics will develop confidence in their mathematical knowledge and ability, and gain a positive view of themselves as mathematics learners. They will gain an appreciation of the true nature of mathematics, its beauty and its power.

The Specialist Mathematics program is broken into 4 units. Units 1 and 2 are completed in Year 11 and formatively assessed. In Year 12, all assessment completed will be summative and combined with the results from an external exam to give students their overall result.

Pathways:

Specialist Mathematics is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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.

Course Structure:



Essential Equipment: Non-programmable Graphics Calculator, preferred model is the Casio fx-CG-50AU.

For further information regarding Specialist Mathematics, contact Janine Colwell (j.colwell@stpauls.qld.edu.au).

MODERN HISTORY

Curriculum Leader: Mrs Kerbi McMillan

Rationale:

Modern History is a discipline-based subject where students examine traces of humanity's recent past so they may form their own views about the Modern World. Through Modern History, students' curiosity and imagination is invigorated while their appreciation of civilisation is broadened and deepened. Students learn that the past is contestable and tentative. They discover how the past consists of various perspectives and interpretations. Modern History distinguishes itself from other subjects by enabling students to empathise with others and make meaningful connections between the past, present and possible futures.

Modern History has two main aims. First, Modern History seeks to have students gain historical knowledge and understanding about some of the main forces that have contributed to the development of the Modern World. Second, Modern History aims to have students think historically and form a historical consciousness in relation to these same forces. Both aims complement and build on the learning covered in the *Australian Curriculum: History P–10*. The first aim is achieved through the thematic organisation of Modern History around four of the forces that have helped to shape the Modern World — ideas, movements, national experiences and international experiences.

In each unit, students explore the nature, origins, development, legacies and contemporary significance of the force being examined. The second aim is achieved through the rigorous application of historical concepts and historical skills across the syllabus. To fulfil both aims, Modern History uses a model of inquiry learning.

Pathways:

Modern History is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. 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. The skills developed in Modern History can be used in students' everyday lives — including their work — when they need to understand situations, place them in perspective, identify causes and consequences, acknowledge the viewpoints of others, develop personal values, make judgments and reflect on their decisions.

Course Structure:

Modern History			
Unit 1	Unit 2	Unit 3	Unit 4
Ideas in the Modern World	Movements in the Modern World	National experiences in the Modern World	International experiences in the Modern World
Australian Frontier Wars, 1788-1930s	Anti-apartheid movement in South Africa, 1948-1991	Germany 1914 - 1945	The Cold War, 1945-1991
French Revolution, 1789-1799	Independence Movement in India, 1857-1947	Israel, 1948-1993	Australian engagement with Asia since 1945 (Vietnam War)
Assessment	Assessment	Assessment	Assessment
Formative internal assessment 1: Examination – short responses to historical sources Formative internal assessment 2: Investigation – independent source investigation	Formative internal assessment 3: Investigation – historical essay based on research Formative internal assessment 4: Examination – essay in response to historical sources	Summative internal assessment 1: Examination – essay in response to historical sources (25%) Summative internal assessment 2: Investigation – independent source investigation (25%)	Summative internal assessment 3: Investigation – historical essay based on research (25%) Summative external assessment: Examination – short responses to historical sources (25%)

For further information regarding Modern History, contact Kerbi McMillan (k.mcmillan@stpauls.qld.edu.au).

MUSIC

Curriculum Leader: Mrs Kellee Green

Rationale:

Music is a unique art form that uses sound and silence as a means of personal expression. It allows for the expression of the intellect, imagination and emotion and the exploration of values. Music occupies a significant place in everyday life of all cultures and societies, serving social, cultural, celebratory, political and educational roles.

The study of music combines the development of cognitive, psychomotor and affective domains through making and responding to music. The development of musicianship through making (composition and performance) and responding (musicology) is at the centre of the study of music.

Through composition, students use music elements and concepts, applying their knowledge and understanding of compositional devices to create new music works. Students resolve music ideas to convey meaning and/or emotion to an audience.

Through performance, students sing and play music, demonstrating their practical music skills through refining solo and/or ensemble performances. Students realise music ideas through the demonstration and interpretation of music elements and concepts to convey meaning and/or emotion to an audience.

In musicology, students explain music elements and concepts, analysing music in a variety of contexts, styles and genres. They evaluate music through the synthesis of analytical information to justify a viewpoint.

In an age of change, Music has the means to prepare students for a future of unimagined possibilities; in Music, students develop highly transferable skills and the capacity for flexible thinking and doing. Literacy in Music is an essential skill for both musician and audience, and learning in Music prepares students to engage in a multimodal world.

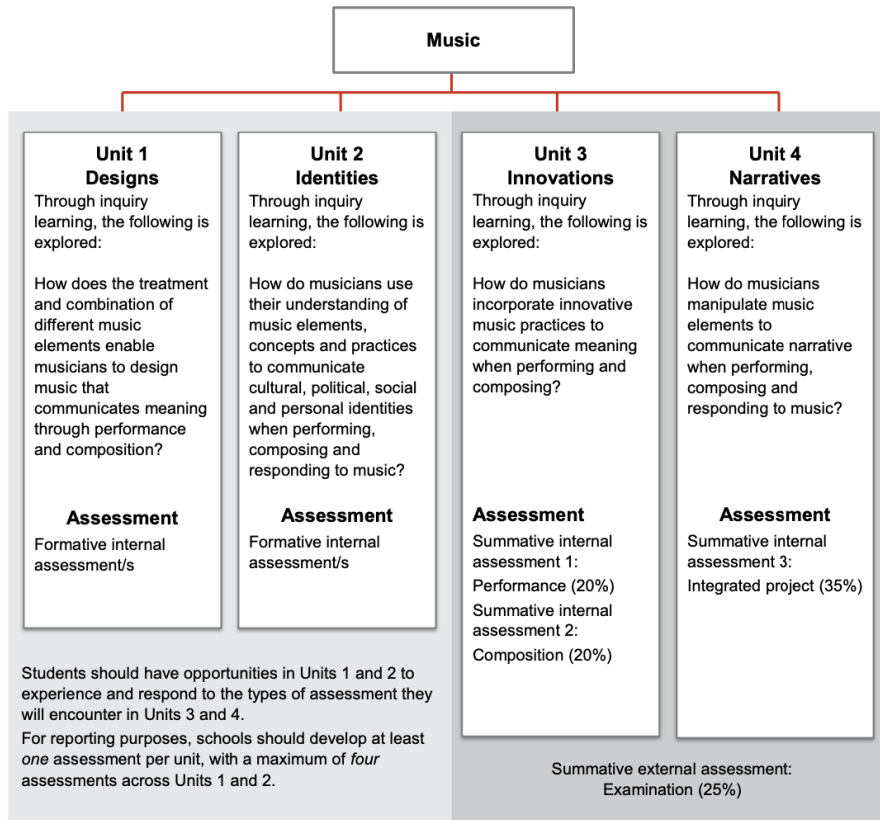
Pathways:

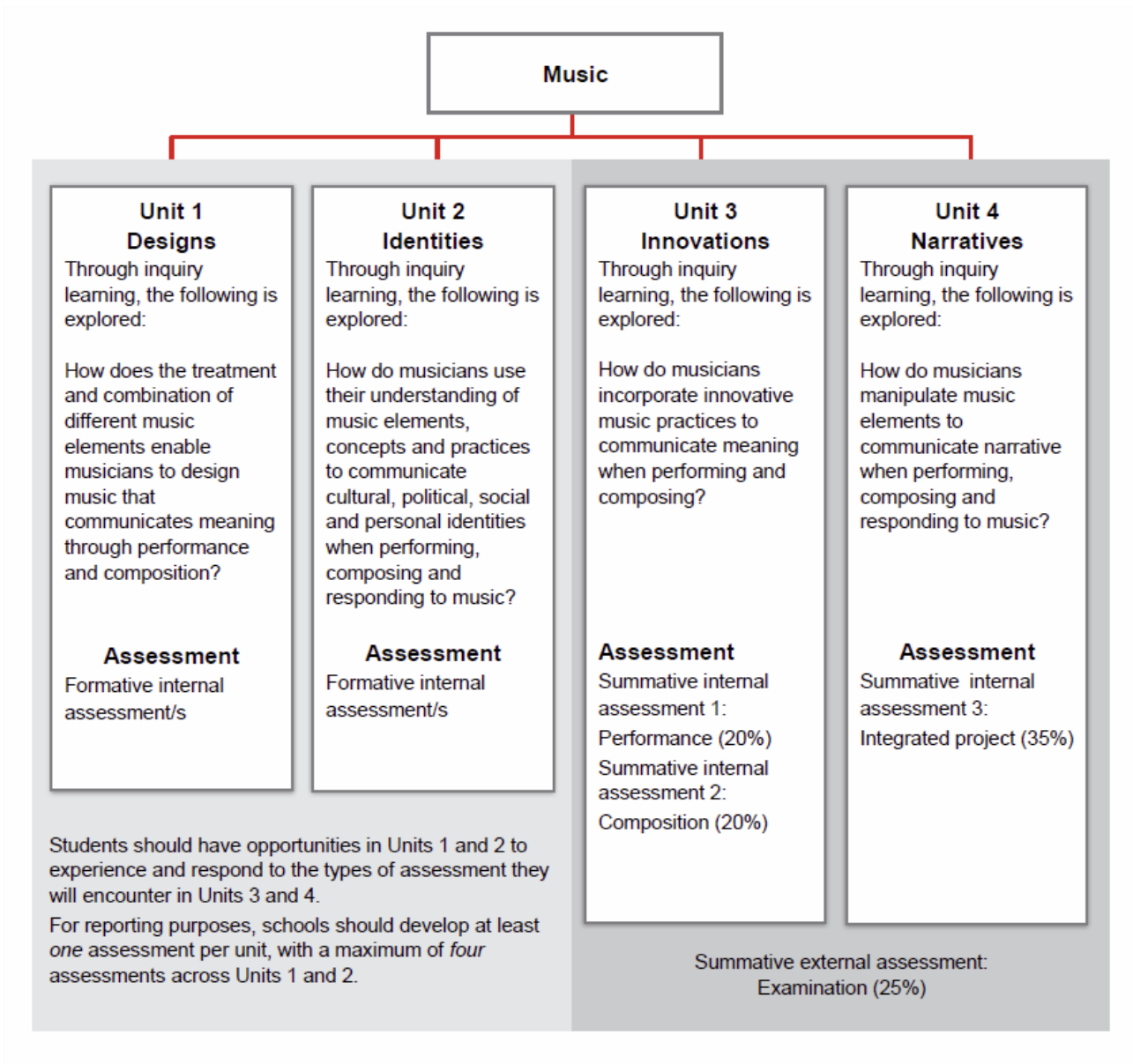
Music is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Music can establish a basis for further education and employment in the fields of arts administration, communication, education, creative industries, public relations and science and technology. The demand for creativity from employees is rising in a world of rapid technological change. As more organisations value work-related creativity and diversity, the processes and practices of Music develop transferable 21st century skills essential for many areas of employment. Specifically, the study of Music helps develop creative and critical thinking, collaboration, ICT skills, social/personal skills and communication — all of which is sought after in modern workplaces.

Tertiary studies, vocational education or work experience in the area of music can lead to and benefit careers in diverse fields such as:

- arts administration and management, e.g. artist manager, arts administrator, booking agent, copyright/royalties manager, music accountant, orchestra manager, production music manager, record producer, studio manager, tour manager, venue manager
- communication, e.g. music copyist, music editor, music librarian, print music manager, sound archivist
- education, e.g. arts educator, instrumental teacher, studio teacher, university music academic
- creative industries, e.g. backing musician, composer, conductor, creative entrepreneur, instrument repairer, music director, performer, presenter, recording engineer, repetiteur, stage manager
- public relations, e.g. creative director, music lawyer, music merchandiser
- science and technology, e.g. music therapist, music video clip director, new media artist, producer, programmer, sound designer.

Course Structure:





Essential Equipment: Headphones that fit student laptops (generally 3.5mm plug).

For further information regarding Music, contact Kellee Green (k.green@stpauls.gld.edu.au).

MUSIC EXTENSION (Year 12)

Curriculum Leader: Mrs Kellee Green

Rationale:

Music is a unique art form that uses sound and silence as a means of personal expression. It allows for the expression of the intellect, imagination and emotion, and the exploration of values. The purpose of Music Extension is to provide challenging and rigorous opportunities for students to realise their potential as composers, musicologists or performers, and to provide the basis for rich, lifelong learning. This syllabus considers that students with an extended history of music involvement frequently reach a high level of musical sophistication and aspire to specialise.

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. 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. 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.

Music Extension prepares students for a future of unimagined possibilities, helping them to become self-motivated and emotionally aware. As a unique means of expression, music makes a profound contribution to personal, social and cultural identities. As they develop highly transferable and flexible skills, students become adaptable and innovative problem-solvers and collaborative team members who make informed decisions. As enquirers, students develop their ability to analyse and critically evaluate. Literacy in Music Extension is an essential skill for composers, musicologists and performers, and learning in Music Extension prepares students to engage in a multimodal world.

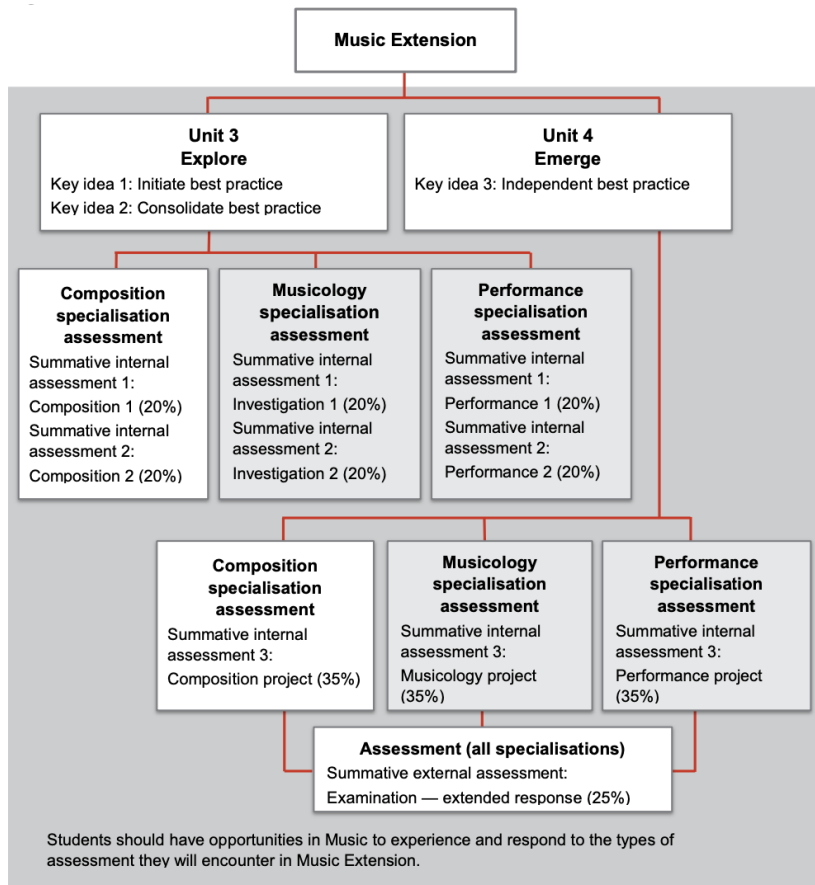
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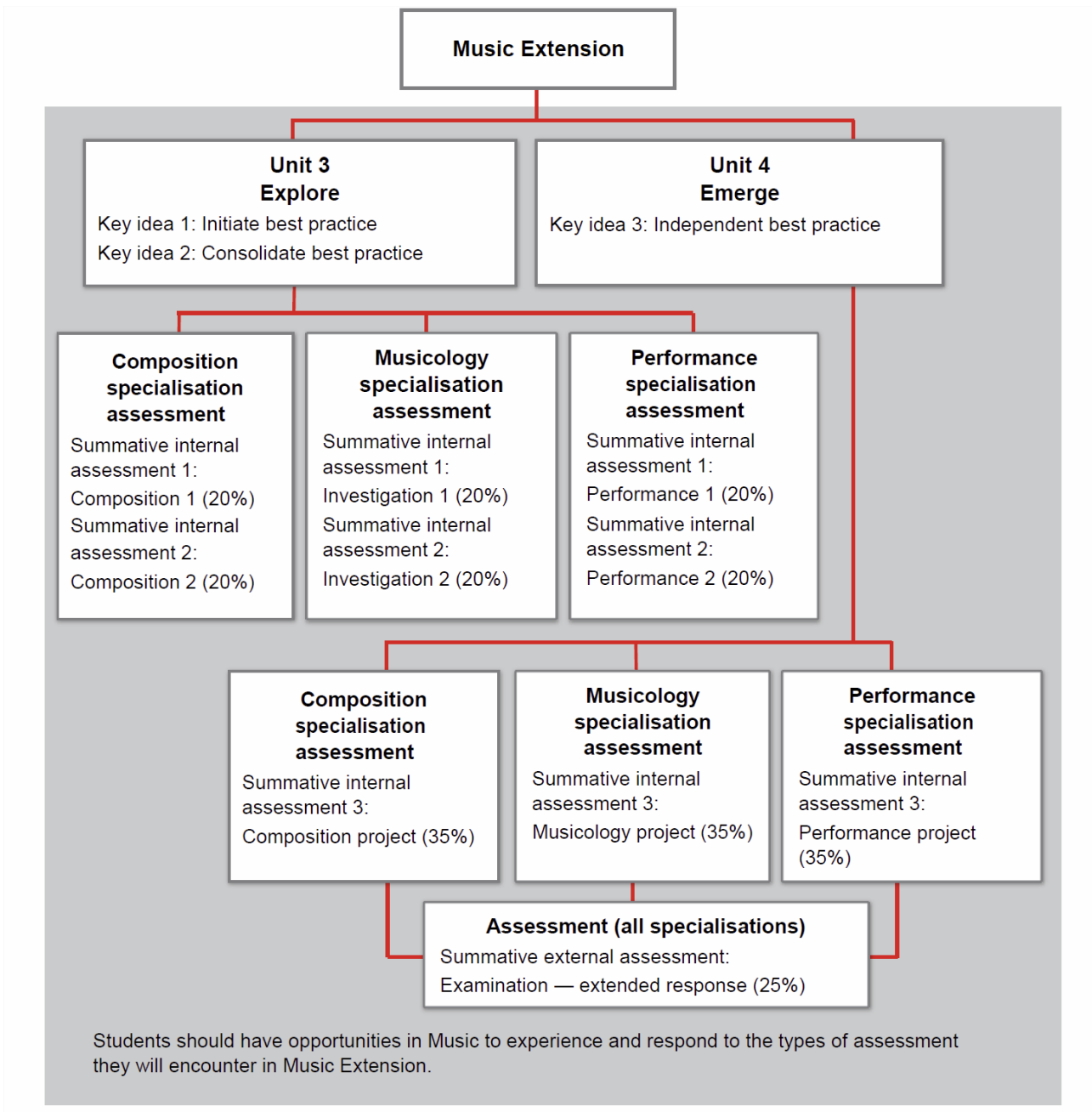
Music Extension is an Extension subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Music Extension can establish a basis for further education and employment in the fields of performing arts and music.

Tertiary studies, vocational education or work experience in the area of music can lead to and benefit careers in diverse fields such as:

- arts administration and management, e.g. artist manager, arts administrator, booking agent, copyright/royalties manager, music accountant, orchestra manager, production music manager, record producer, studio manager, tour manager, venue manager
- communication, e.g. music copyist, music editor, music librarian, print music manager, sound archivist, musicologist, music journalist
- education, e.g. arts educator, instrumental teacher, studio teacher, university music academic
- creative industries, e.g. backing musician, chamber musician, composer, conductor, creative entrepreneur, instrument repairer, music director, performer, presenter, recording engineer, répétiteur, stage manager
- public relations, e.g. creative director, music lawyer, music merchandiser
- science and technology, e.g. music therapist, music video director, new media artist, producer, programmer, sound designer.

Course Structure:





Essential Equipment: Headphones that fit student laptops (generally 3.5mm plug).

For further information regarding Music Extension, contact Kellee Green (k.green@stpauls.qld.edu.au).

MUSIC INDUSTRY (Certificate III)

Curriculum Leader: Mrs Kellee Green

CUA30915 CERTIFICATE III IN MUSIC INDUSTRY

This is a stand-alone VET subject, studied over a 2 year period, commencing in Year 11. Upon successful completion, a nationally accredited Certificate III will be awarded by an external Registered Training Organisation (RTO) or a Statement of Attainment will be issued if only partial completion of the course is achieved.

FOR WHOM IS THE COURSE INTENDED?

The Certificate III in Technical Production prepares students for entry into a range of music related courses and with the necessary minimum qualifications to work directly in this field if so desired. Graduates would be able to seek mutual recognition in other courses incorporating the same or equivalent units or competence. The course is for any student with an interest in all forms of music technology including electronic music, sound mixing, recording studios, computer music, midi and music recording in film and television and other media applications.

This certificate may contribute to the calculation of a student's ATAR.

This qualification will attract 7 credit points towards a student's Queensland Certificate of Education on full completion of the qualification.

WHAT WILL I STUDY IN THE COURSE?

- Analogue and Digital audio engineering, focusing on recording techniques and operation of Digital Audio Workstations.
- Sound editing techniques.
- Effective use of Pro-Tools recording software in the music studio and other associated music software.
- Managing live audio projects.
- Health, Safety and Security measures in the Music Industry.
- How to use MIDI devices and/or software to perform music.
- How to manage your own work and learning.

WHAT SORT OF SKILLS WILL I NEED TO COPE WITH THE COURSE?

- A broad understanding of Multi-Media applications.
- Independent motivation and the ability to work under self-direction.
- Basic foundations in Music Theory, equating to a pass in Year 9 Music or equivalent.
- An interest in Music and Sound Technology.
- Willingness to participate in extra-curricular events.
- An ability to play and read music can be useful, but not essential.

COURSE STRUCTURE

As a guide, the following **Core Units** will be studied in this qualification:

These units are mandatory:

C3AS325	Genre and music making
C3AS315	Work Opportunity
C3AS310	A Band Copyright Arrangement
C3AS308	Be Safe at Work

The following elective units have been selected to provide specialist training in sound engineering:

C3AS212	Studio Recording Assistant
C3AS337	Create a Music Video
C3AS318	Light Up the Show
C3AS311	The Mix Engineer
C3AS350	The Roadie
C3AS349	Recording Studio Engineer
C3AS341	Editing Audio

ASSESSMENT

This is a competency-based course. This means that students work to develop the competencies, skills and knowledge described in each Unit of Competency. To be assessed as competent, a student must demonstrate to a qualified assessor that they can effectively carry out the various tasks and combinations of tasks listed to the standard required in the appropriate industry. There is no level awarded in competency-based assessment. Students are assessed as either 'competent' or 'not yet competent'. Students will be progressively assessed in individual Units of Competency. When a student achieves a Unit of Competency it is signed off by the assessor on a Student Profile Sheet.

Assessment of the units of competency/modules is competency-based and must be conducted in accordance with the national assessment principles. Competency-based assessment is the process of collecting evidence and making judgments on whether or not a student can consistently demonstrate knowledge and skill, and the application of that knowledge and skill to the standard of performance required in the workplace. Elements of competency do not have to be assessed individually. Holistic assessment techniques can be used, and integrated assessment is encouraged. Where the nature of the competency is such that it is not possible to assess it using demonstration/observation, forms of assessment such as simulations, tests, work-based projects or assignments may be utilised.

Assessment methods encompass a range of techniques, which include, but are not limited to, the use of: direct observation of performance, simulations of workplace activities, oral questioning, practical exercises, projects/assignment, work portfolios etc.

POSSIBLE PATHWAYS AND APPLICATIONS

This course articulates in the following Certificate courses:

- Certificate IV in Music
- Certificate IV in Sound Production
- Certificate IV in Music Business
- Diploma of Sound Production
- Diploma of Music Business
- Advanced Diploma of Music Business
- Advanced Diploma of Sound Production
- Bachelor Degrees in Music Technology (Griffith Conservatorium) – Portfolio & Interview
- Bachelor of Fine Arts – Sound Design (QUT) – Portfolio and Interview.

Essential Equipment: Headphones that fit student laptops (generally 3.5mm plug).

For further information regarding Music Industry (Certificate III), contact Kellee Green (k.green@stpauls.qld.edu.au).

PHYSICAL EDUCATION

Curriculum Leader: Mr Aaron Setterfield

Rationale:

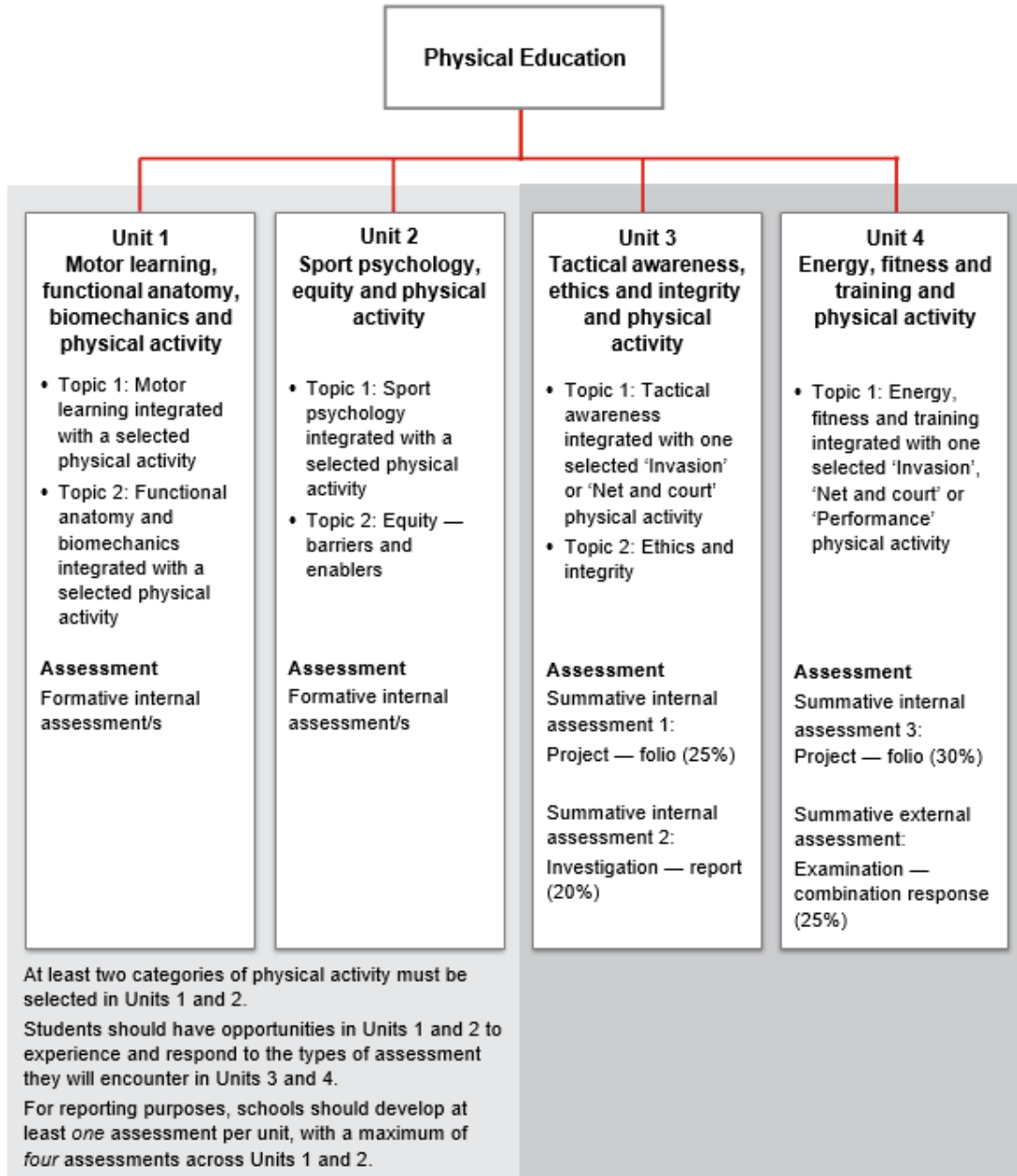
The knowledge, understanding and skills taught through Health and Physical Education enable students to explore and enhance their own and others' health and physical activity in diverse and changing contexts. Development of the physical, intellectual, social and emotional capacities necessary in the strands of 'Movement and physical activity' and 'Personal, social and community health' is a key component of the P–10 Australian Curriculum: Health and Physical Education. It provides the foundations for learning and alignment to the Physical Education and Health senior syllabuses to build increasingly complex and developmental courses of study in the senior years.

The Physical Education syllabus is developmental and becomes increasingly complex across the four units. In Unit 1, students develop an understanding of the fundamental concepts and principles underpinning their learning of movement sequences and how they can enhance movement from a biomechanical perspective. In Unit 2, students broaden their perspective by determining the psychological factors, barriers and enablers that influence their performance and engagement in physical activity. In Unit 3, students enhance their understanding of factors that develop tactical awareness and influence ethical behaviour of their own and others' performance in physical activity. In Unit 4, students explore energy, fitness and training concepts and principles to optimise personal performance.

Pathways:

Physical Education is a General subject suited to students who are interested in pathways that lead to tertiary studies, vocational education or work. 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.

Course Structure:



For further information regarding Physical Education, contact Aaron Setterfield (a.setterfield@stpauls.qld.edu.au).

PHYSICS

Curriculum Leader: Mr Des Hylton

Rationale:

At the core of all scientific endeavour is the inquiry into the nature of the universe. Science uses a systematic way of thinking, involving creative and critical reasoning, in order to acquire better and more reliable knowledge. Scientists recognise that knowledge is not fixed, but is fallible and open to challenge. As such, scientific endeavour is never conducted in isolation, but builds on and challenges an existing body of knowledge in the pursuit of more reliable knowledge. This collaborative process, whereby new knowledge is gained, is essential to the cooperative advancement of science, technology, health and society in the 21st century.

Physics provides opportunities for students to engage with the classical and modern understandings of the universe. In Unit 1, students learn about the fundamental concepts of thermodynamics, electricity and nuclear processes. In Unit 2, students learn about the concepts and theories that predict and describe the linear motion of objects. Further, they will explore how scientists explain some phenomena using an understanding of waves. In Unit 3, students engage with the concept of gravitational and electromagnetic fields, and the relevant forces associated with them. Finally, in Unit 4, students study modern physics theories and models that, despite being counterintuitive, are fundamental to our understanding of many common observable phenomena.

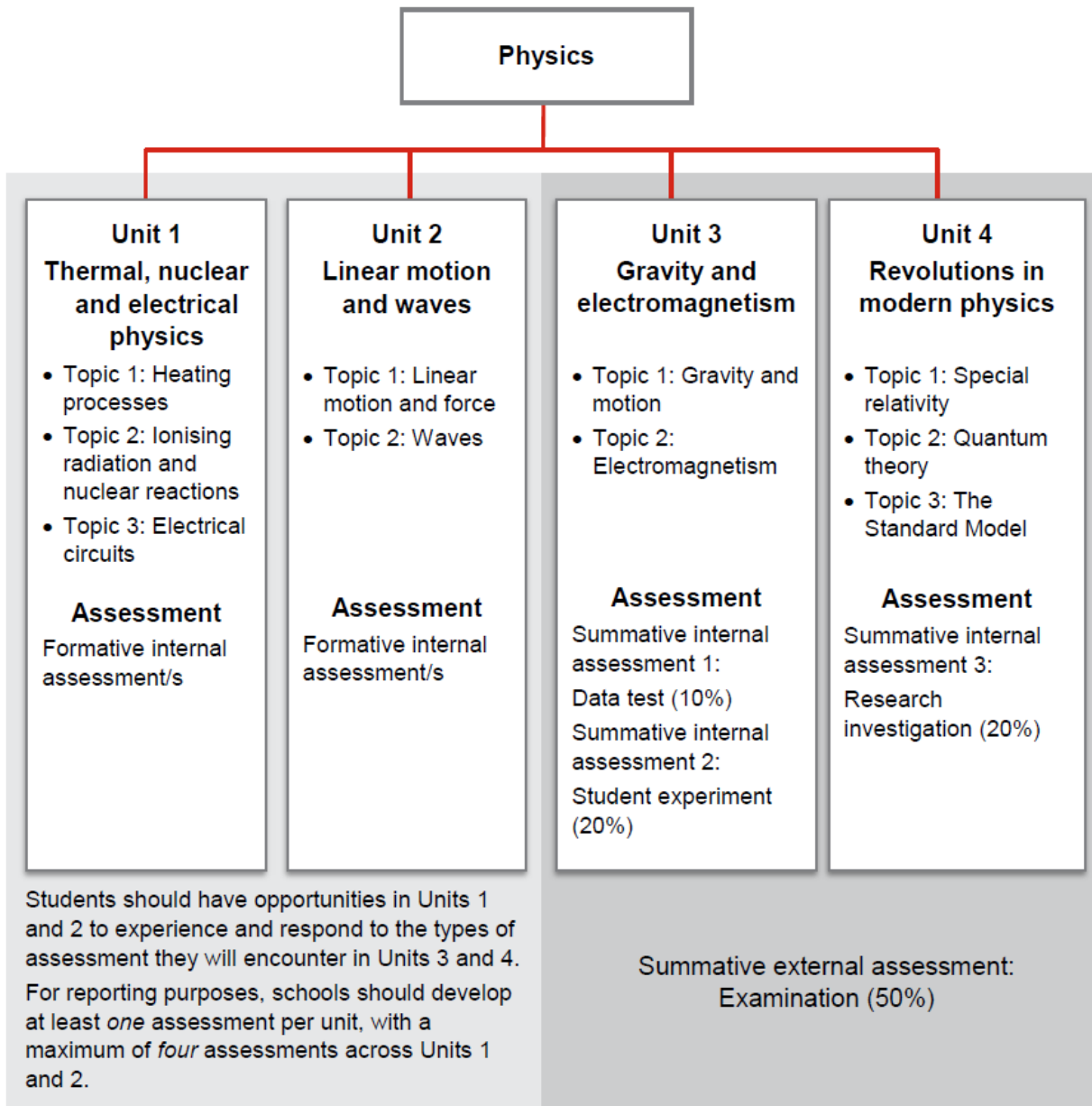
Physics aims to develop students':

- appreciation of the wonder of physics and the significant contribution physics has made to contemporary society
- understanding that diverse natural phenomena may be explained, analysed and predicted using concepts, models and theories that provide a reliable basis for action
- understanding of the ways in which matter and energy interact in physical systems across a range of scales
- understanding of the ways in which models and theories are refined, and new models and theories are developed in physics; and how physics knowledge is used in a wide range of contexts and informs personal, local and global issues
- investigative skills, including the design and conduct of investigations to explore phenomena and solve problems, the collection and analysis of qualitative and quantitative data, and the interpretation of evidence
- ability to use accurate and precise measurement, valid and reliable evidence, and scepticism and intellectual rigour to evaluate claims
- ability to communicate physics understanding, findings, arguments and conclusions using appropriate representations, modes and genres.

Pathways:

Physics is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Physics can establish a basis for further education and employment in the fields of science, engineering, medicine and technology.

Course structure:


 For further information regarding Physics, contact Des Hylton (d.hylton@stpauls.qld.edu.au).

PSYCHOLOGY

Curriculum Leader: Mr Des Hylton

Rationale:

At the core of all science endeavour is the inquiry into the nature of the universe. Science uses a systematic way of thinking, involving creative and critical reasoning, in order to acquire better and more knowledge. Scientists recognise that knowledge is not fixed, but is fallible and open to challenge. As such, scientific endeavour is never conducted in isolation, but builds on and challenges an existing body of knowledge in the pursuit of more reliable knowledge. This collaborative process, whereby new knowledge is gained, is essential to the cooperative advancement of science, technology, health and society in the 21st century.

Psychology provides opportunities for students to engage with concepts that explain behaviours and underlying cognitions. In Unit 1, students examine individual development in the form of the role of the brain, cognitive development, human consciousness and sleep. In Unit 2, students investigate the concept of intelligence, the process of diagnosis and how to classify psychological disorder and determine an effective treatment, and lastly, the contribution of emotion and motivation on the individual behaviour. In Unit 3, students examine individual thinking and how it is determined by the brain, including perception, memory, and learning. In Unit 4, students consider the influence of others by examining theories of social psychology, interpersonal processes, attitudes and cross-cultural psychology.

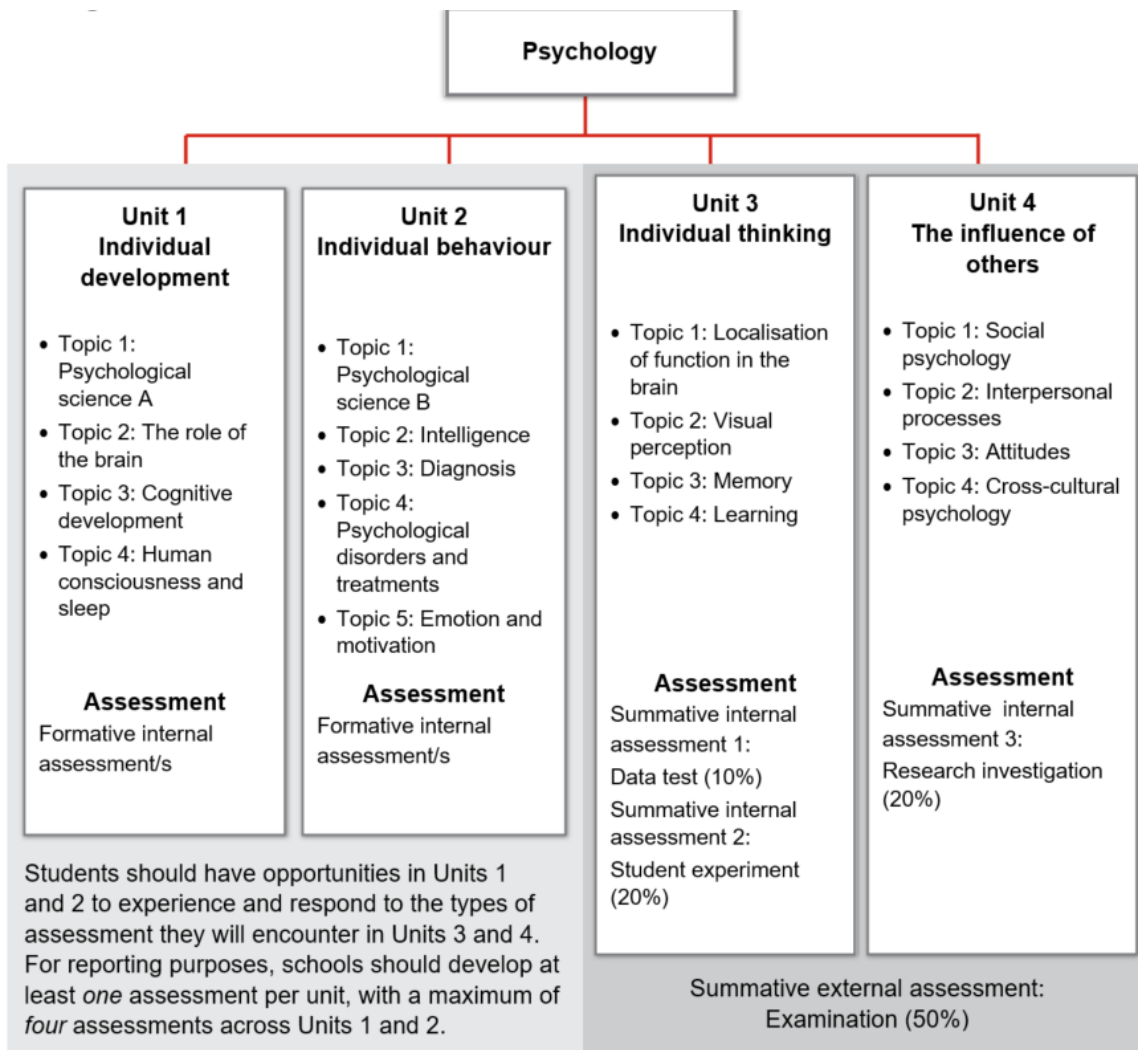
Psychology aims to develop students':

- interest in psychology and their appreciation for how this knowledge can be used to understand contemporary issues
- appreciation of the complex interactions, involving multiple parallel processes that continually influence human behaviour
- understanding that psychological knowledge has developed over time and is used in a variety of contexts, and is informed by social, cultural and ethical considerations
- ability to conduct a variety of field research and laboratory investigations involving collection and analysis of qualitative and quantitative data and interpretation of evidence
- ability to critically evaluate psychological concepts, interpretations, claims and conclusions with reference to evidence
- ability to communicate psychological understandings, findings, arguments and conclusions using appropriate representations, modes and genres.

Pathways:

Psychology is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Psychology can establish a basis for further education and employment in the fields of psychology, sales, human resourcing, training, social work, health, law, business, marketing and education.

Course structure:



For further information regarding Psychology, contact Des Hylton (d.hylton@stpauls.qld.edu.au).

RECREATIONAL PHYSICAL EDUCATION

Curriculum Leader: Mr Aaron Setterfield

Rationale:

The study of Recreational Physical Education is compulsory for all students at St Paul's School.

Recreational Physical Education (RPE) provides an opportunity for physical activity beyond that enjoyed by many through their School and other extra-curricular activities. More than half of our students appear not to be involved in physical activity at School in these vitally formative years, without this single lesson per week.

Students are expected to be changed into PE uniform, including a hat for each lesson, unless told otherwise. If a student is present at School but unable to participate in RPE, parents need to provide documentation explaining the reason, usually medical.

RPE will be reported on with a general comment in the end of semester report in terms of effort and participation, while not specifying the activity the student has been doing.

Course structure:

Students will participate in a range of activities that are recreational in nature and able to be catered for using the resources the School already has. Current activities include:

Activities	Year 11	Year 12
Athletics	✓	✓
Badminton	✓	✓
Basketball	✓	✓
Canoeing	✓	✓
Circus Skills	✓	✓
CrossFit	✓	✓
Golf	✓	✓
Minor games	✓	✓
Netball	✓	✓
Pool Games	✓	✓
Tennis	✓	✓
Touch Football	✓	✓
Running/Walking	✓	✓
Volleyball	✓	✓
Weight Training	✓	✓
Zumba	✓	✓

Staff who run these activities are Physical Education specialists and others who have expertise and/or qualifications to coach or run them. Activities offered each term are dependent on staff expertise and facility availability.

For further information regarding Recreational Physical Education, contact Aaron Setterfield (a.setterfield@stpauls.qld.edu.au).

RELIGION AND ETHICS (Applied)

Curriculum Leader: Mrs Caro Emslie

Units 1 and 2 of the QCAA Applied course, undertaken in years 10 and 11, are designed to allow students to begin their engagement with the course content.

Rationale

A sense of purpose and personal integrity are essential for participative and contributing members of society. This applied syllabus provides for a course of study that encourages students to explore their personal values and life choices and the ways in which these are related to their beliefs. Religion and Ethics helps students understand the personal, relational and spiritual perspectives of human experience. A search for meaning assists students from different cultural, social, linguistic and economic backgrounds to learn about and reflect on the richness of religious and ethical worldviews.

Religion and Ethics enhances students' understanding of how personal beliefs, values and spiritual identity are shaped and influenced by factors such as family, culture, gender, race, class and economic issues. It allows for flexible courses of study that recognise the varied needs and interests of students through investigating topics such as the meaning of life, spirituality, purpose and destiny, life choices, moral and ethical issues and justice. The course also explores how these topics are dealt with in various religious, spiritual and ethical traditions.

In the context of this syllabus, religion is understood as a faith tradition based on a common understanding of beliefs and practices; spirituality refers to a transcendent reality that connects a person with humanity and the universe. The term ethics refers to a system of moral principles; the rules of conduct or approaches to making decisions for the good of the individual and society. In a religious sense, beliefs are tenets, creeds or faiths; religious belief is belief in a power or powers that influence human behaviours.

Religion and Ethics focuses on the personal, relational and spiritual perspectives of human experience. It enables students to investigate and critically reflect on the role and function of religion and ethics in society. Within this syllabus, the focus is on students gaining knowledge and understanding, on developing the ability to think critically, and to communicate concepts and ideas relevant to their lives and the world in which they live.

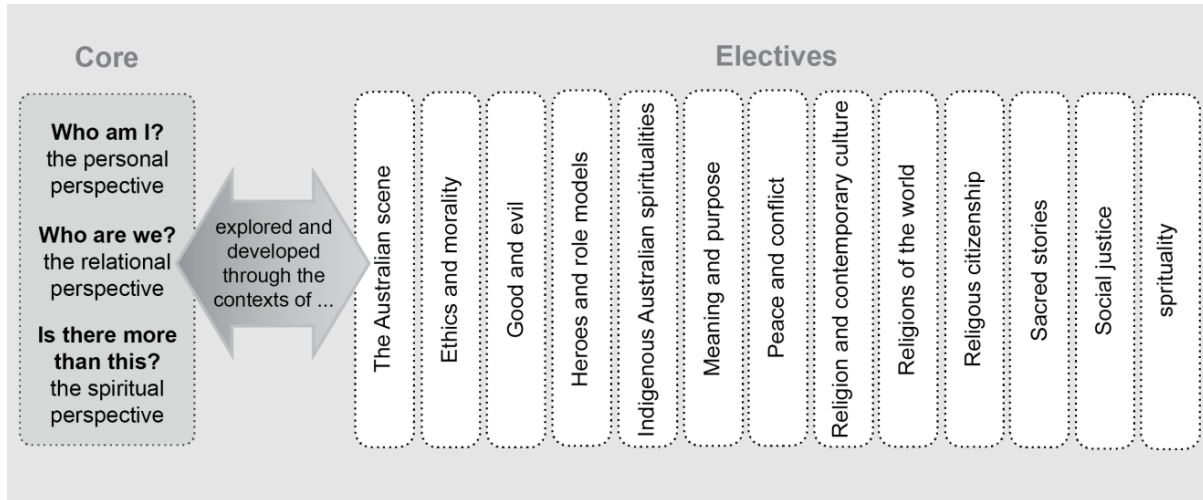
Learning experiences should be practical and experiential in emphasis. A course of study should recognise the benefits of networking within the community. Schools may consider involvement with religious communities, charities, welfare and service groups and organisations that are engaged in areas related to ethics and justice. It is important that students learn to respect and interact with members of the wider community who may express beliefs and values different from their own.

Pathways

A course of study in Religion and Ethics can establish a basis for further education and employment in any field, as it helps students develop the skills and personal attributes necessary for engaging efficiently, effectively and positively in future life roles. It provides them with opportunities to gain knowledge and understanding of themselves as human beings, to clarify their personal beliefs and ethical values, and to assess their personal choices, vision and goals. It helps students develop an understanding of themselves in the context of their family, their community and the workplace. The focus on citizenship, the sense of community and service, ethical principles, moral understanding and reasoning, and the responsibilities of the individual within the community provide students with skills and attitudes that contribute to lifelong learning, and a basis for engaging with others in diverse settings, including further education and the workforce.

Course Structure

The figure below provides an overview of the Religion and Ethics course (three core perspectives of human experience — personal, relational and spiritual are integrated in a minimum of four and a maximum of eight electives).



The course provides a range of educational outcomes and encompasses the five underpinning factors. It allows for a diverse range of student abilities, learning styles, interests and aspirations, and should take into account local conditions such as human and physical resources, and the needs of the school and the local community.

Units 1 and 2 of the course, undertaken in years 10 and 11, are designed to allow students to begin their engagement with the course content, i.e. the knowledge, understanding and skills of the subject. Course content, learning experiences and assessment increase in complexity across the four units as students develop greater independence as learners.

Units 3 and 4 consolidate student learning.

Each perspective of the core must be covered within every elective topic selected and integrated throughout the course. While the relative emphasis on each perspective may vary in different electives, each perspective must be covered within every elective selected.

Essential Equipment: 1 x 64-page exercise book

Applied learning opportunities are provided in order to link theory and practice and integrate knowledge and skills in the community. Community involvement may include religious communities, charities, welfare and service groups and organisations that are engaged in areas related to ethics and justice.

For further information regarding RAVE, contact Caro Emslie (c.emslie@stpauls.qld.edu.au) or Reverend Mark Leam (r.lead@stpauls.qld.edu.au).

For further information regarding Religion and Values Education, contact Caro Emslie (c.emslie@stpauls.qld.edu.au).

RELIGION AND VALUES EDUCATION

Curriculum Leader: Mrs Caro Emslie

Opportunities are provided for the students to engage most directly with the Values Statement of our School, namely that by Faith and Learning we will strive to grow in Community with God and with each other. At St Paul's School we believe that each person can have a relationship with God, through Jesus Christ, demonstrated by modelling one's life on Christ, serving others and participating in the traditions and practice of the Anglican Church.

Year 11 2021 RAVE course includes both a Religious Education course and a Life Skills Program. Ethics is taught for the first semester in Religious Education. This program explores ethical systems and theories, ethical behaviour and several current ethical and moral issues. Students study, discuss, reflect upon and debate the following topics:

Part 1: Ethical Systems	Part 2: A brief introduction to Biblical Ethics	Part 3: Ethics in the Real World
<ul style="list-style-type: none"> • Individualism • Rules vs results • Values and Virtue Ethics 	<ul style="list-style-type: none"> • The Mutual Love Ethic 	<ul style="list-style-type: none"> • Ethics in sport • Assisted Reproductive technology • Death and Dying

Lessons typically consist of reading and reflecting about ethical issues, watching a selection of relevant and interesting media clips, discussions, debates and set activities. An in-class assignment is provided to indicate the degree of engagement and understanding of the topics taught in class and of a current ethical issue of the students' choosing. Reporting on student engagement will occur throughout the year.

In Semester two, the students examine Environmental Stewardship through an Entrepreneurial lens.

Broad Objectives:

- awaken students' understanding of the ethic of Environmental Stewardship; what it means to be custodians of the environment, with a focus on St Paul's School.
- provide students with a framework that enable them to find problems, generate solutions and become change agents; impacting current and future generations to care for our environment.

Year 12 RAVE course gives students the opportunity to investigate a range of adolescent issues while gaining the skills and mindset to deal with the challenges presented by Year 12 and life beyond school. Personal development and life experiences that relate to the core of religious faith and practice are also considered. Lessons typically consist of discussions, debates, reading and reflecting on pertinent issues, attending lectures presented by guest speakers, viewing interesting media clips and set class activities. Some of the focus areas include:

The Road Ahead:

- Forming Good Habits
- The Three Big Questions
- Where is God when Bad Things Happen?
- Sex, Sexuality and Marriage
- Dealing with Failure
- Alcohol

For further information regarding Religion and Values Education, contact Caro Emslie (c.emslic@stpauls.qld.edu.au).

VISUAL ART

Curriculum Leader: Mr Philip Glover

Rationale:

Visual Art uses an inquiry learning model, developing critical and creative thinking skills and individual responses through developing, researching, reflecting and resolving. Through making and responding, resolution and display of artworks, students 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.

Visual Art prepares young people for participation in the 21st century by fostering curiosity and imagination, and teaching students how to generate and apply new and creative solutions when problem-solving in a range of contexts. This learnt ability to think in divergent ways and produce creative and expressive responses enables future artists, designers and craftspeople to innovate and collaborate with the fields of science, technology, engineering and mathematics to design and manufacture images and objects that enhance and contribute significantly to our daily lives.

Visual Art prepares students to engage in a multimodal, media-saturated world that is reliant on visual communication. Through the critical thinking and literacy skills essential to both artist and audience, learning in Visual Art empowers young people to be discriminating, and to engage with and make sense of what they see and experience. Visual Art equips students for a future of unimagined possibilities as they develop highly transferable communication skills and the capacity for global thinking. Visual Art encourages students to reflect on and appreciate multiple perspectives and philosophies, and to confidently and creatively contribute and engage in all facets of society to sustain our diverse Australian culture.

Pathways:

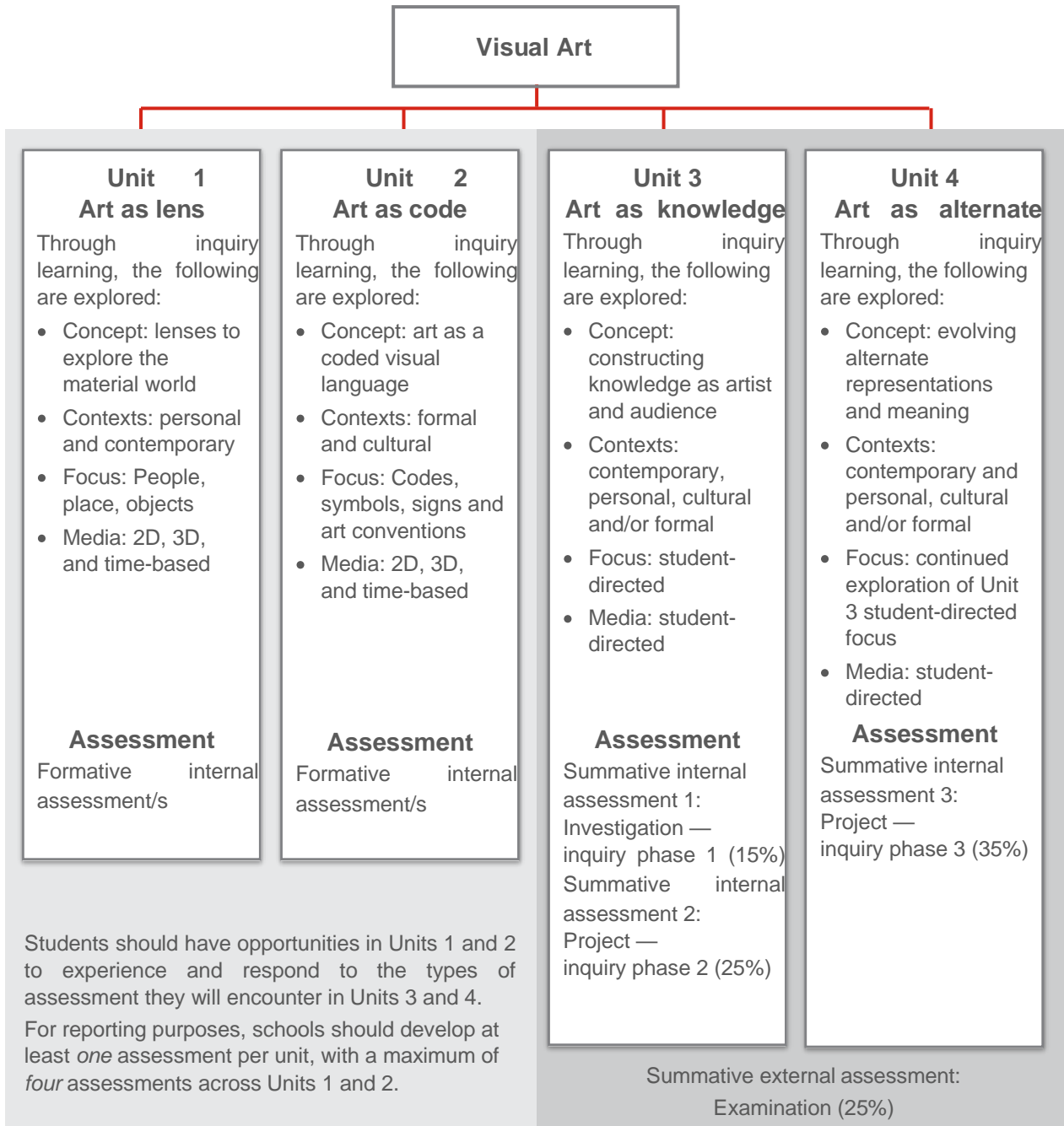
Visual Art is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in Visual Art can establish a basis for further education and employment in the fields of arts practice, design, craft, and information technologies; broader areas in creative industries and cultural institutions; and diverse fields that use skills inherent in the subject.

The processes and practices of Visual Art, such as self-directed learning and creative problem-solving, develop transferable 21st century skills that are highly valued in many areas of employment. Organisations increasingly seek employees who demonstrate work-related creativity, innovative thinking and diversity.

Tertiary studies, vocational education or work experience in the area of visual arts can lead to and benefit careers in diverse fields such as:

- advertising, e.g. art director, brand specialist, content marketer, photographer, graphic artist
- arts administration and management, e.g. art project manager, agent, events and festivals manager
- communication, e.g. writer, communication strategist, journalist, sign writer, art editor, blogger/vlogger, web content producer
- creative industries, e.g. visual artist, illustrator, photographer, screenwriter
- design, e.g. architect, fashion designer, environmental designer, fashion marketer, graphic designer, industrial designer, interior designer, stage designer, textiles designer
- education, e.g. specialist classroom teacher, lecturer, private teacher
- galleries and museums, e.g. curator, registrar, exhibition designer, director, public programs officer, conservator
- film and television, e.g. animator, storyboard artist, post-production specialist, art director, production buyer, concept artist, costume designer, camera operator, Foley editor, producer
- public relations, e.g. campaign manager, publicist, creative director
- science and technology, e.g. visual translator, medical illustrator, computer game developer/programmer, digital communication specialist, digital content producer, multimedia designer, web designer, computer graphics modeller, forensic photographer.

Course structure:


 For further information regarding Visual Art, contact Phil Glover (p.glover@stpauls.qld.edu.au).

STUDY SKILLS

Course Lead – Mr Jon Andrews

Rationale:

Study Skills is a course designed to support and compliment students' chosen senior pathways. Drawing from the extensive educational and psychological research evidence on effective learning by a variety of scholars, Study Skills provides participants with a range of evidence-based strategies which seek to foster effective study habits, productive revision approaches, boost self-confidence and self-discipline and strengthen working and long-term memory.

In the first semester, each strategy is introduced to students through an interactive seminar, breaking down the research-evidence for its effectiveness, as well as a 'how-to' explanation to support its adoption and implementation. Each student receives a course handbook which contains essential information about each strategy and a place to document seminar notes. Following each seminar, students then use dedicate room spaces to deliberately practice each strategy and hone their skills by applying them to current course work or exam preparation. By deliberately practising the strategies independently and with peers, they discover the relevance of each strategy and learn how to combine them in effective ways to optimise their learning and regular routines of study and revision.

Study Skills is further supported by a dedicated online Learn@SPS course. This contains a full guide to each strategy, including Learning Scientists explanatory videos, posters and bookmarks to keep the ideas fresh in the mind as well as links to exemplars, additional reading on each strategy, copies of each study tool we introduce and student exemplars and testimonials. Students are also supported in Study Skills by a team of staff who are trained in the strategies and offer advice, subject-specific applications and feedback on their use. Furthermore, parents and carers are supported through the Parent Connect Group with a range of videos and hands-on/practical advice about how to support their son(s) and/or daughter(s) with applying Study Skills.

In the second semester, attention is turned to specific examination techniques which help students learn the most effective ways to tackle the papers they will face, approach questions with greater confidence, manage time effectively and make good use of mark schemes and feedback to plan for future improvements.

Course structure:

Study Skills is allocated 1 lesson a week. The six strategies covered (followed by deliberate practice) are:

STRATEGY	DESCRIPTION
Dual Coding	Understanding the construction of memory and creation of effective study notes combining visuals and words
Elaborative Interrogation	Detailed examination of learnt material by asking and explaining why and how things work and are related
Concrete Examples	When studying concepts or abstract ideas, illustrating them with specific examples to make meaning
Interleaving	Tactically switching between topics of study to avoid cognitive overload, then returning to consolidate knowledge
Spaced Practice	Creating a study schedule that spreads study activities to optimise use of time and self-organise ahead of testing
Retrieval Practice	Tactical activities which bring learned information to mind from long-term memory to short term/real-time use

Staff who run these Study Skills seminars and deliberate practice sessions are subject specialists and who have expertise to coach or run them.

For further information regarding Study Skills, contact Jon Andrews (jc.andrews@stpaul.qld.edu.au)

THE THIRD PATHWAY

Director of the CIE: Dr Renae Jones

Rationale:

The study of The Third Pathway can be included within the timetable as part of a student's Additional Learning Time. The goal is to prepare students for the future of work and living, whatever that future may look like. One of the integral ways to achieve this is through the St Paul's [Realms of Thinking \(RoT\)](#) approach to teaching and learning, helping students to become innovative thinkers. The key foundation of the RoT is creative dispositions, which are developed and nurtured in every student to grow their capacity to ask better questions, navigate challenges, develop empathy, and spark their imaginations. In 2016, St Paul's embarked on the journey to plan, design, and offer our students a Third Pathway, commencing with the Entrepreneurs Club. In June 2018, the [Centre for Innovators and Entrepreneurs](#) (CIE) was established and in April, 2019, [Design Led Ventures](#) (DLV) was introduced. The CIE and DLVs are initiatives that are intrinsically linked in developing the third pathway options for students.

Third Pathway – Getting involved

There are several possibilities for students to get involved and be recognised. Regardless of how students engage with the Third Pathway, they will be exposed to and become confident with creative and entrepreneurial thinking processes and frameworks and Design Led Venture concepts and skills.

Students will receive recognition for the activities and programs undertaken in the Third Pathway to add to their portfolio for in-school and external applications (e.g. Global Citizenship/ employment / university). This may be through certificates or recognition of micro-credentials. For some aspects of the Third Pathway, we are pursuing QCAA (Queensland Curriculum and Assessment Authority) accreditation (for 2021 or 2022).

For Year 11 and 12 students, there are several options for students to pursue a Third Pathway; as part of their Additional Learning hours, for a fixed period for a program, or outside of school hours. These include:

STARTUP IN RESIDENCE (SIR) PROGRAM

If a student has an idea for a business or has an existing business, they can access the services of the Centre for Innovators and Entrepreneurs (CIE) to validate, activate, and work on their business. Their Additional Learning hours can be used, where they base themselves at the CIE to obtain guidance, coaching and mentorship, as well as operate their business such as:

- Business plans
- Building websites
- Prototyping / manufacturing
- Building a business app
- Digital marketing and customer interaction
- Supplier communication
- Finance management

The CIE is a co-working space students can use during their Additional Learning time. Director of the CIE, Dr Renae Jones will work with the students and their business to develop plans on how best to use that time to progress their business. Dr Jones will also link students with other industry experts based on their needs. Students participating in the SIR program will also be invited to attend CIE related workshops and presentations to progress their learning in all areas of business. Note: Students can join the SIR Program without completing any other CIE Programs on a case by case basis.

DESIGN LED VENTURE PROGRAM

A Design Led Venture (DLV) enables our students to grow as innovative thinkers through developing creative functional solutions that enhance the world others live in. St Paul's School began this initiative in April 2019 with outstanding results for both students and clients.

In a DLV, student teams work with industry, government, businesses, and community organisations to identify the 'right' real world need to be met or problem to be solved. They collaborate with the client to generate creative, functional ideas and solutions for that organisation. They prototype, validate with the client, produce an implementation plan, and present a pitch to the client.

By moving through the phases of a DLV (Engage, Ideate, Prototype, Entrepreneurial Thinking) students are exposed to valuable skills and tools that they can utilise to meet future challenges and constructively participate in a rapidly-changing world.

Typically, these skills and tools are:

- recognising, discovering and defining real world needs and problems,
- empathising and connecting with stakeholders/the client to establish a deep understanding,
- awareness of values and ethics associated with being an innovator,
- generating, visualising, and communicating possibilities and ideas,
- Interviewing and seeking feedback to access different perspectives,
- prototyping early, allowing for failure and mistakes, and trying again,
- organising their thinking and time to deliver creative functional solution/s around the client expectations,
- developing an implementation proposal, covering costs, benefits, timelines, and outcomes
- building an ability to network and develop aspects of their personal brand.

Students can complete a DLV in their Additional Learning hours (when there is enough interest amongst the Senior cohorts), or they can choose to complete a DLV during the school timetable with other school applicants.

A DLV Team is normally made up of 7-10 students from different year levels, experiences and talents. They work together with a facilitator 2.5 hours per week during school time. They have access to mentors and coaches from within and outside the School. Typically, a DLV is undertaken for a 10-week period but may vary on the need/problem being addressed. Students can and are encouraged to complete several DLVs during their St Paul's years. This will give them exposure to several different industries, contexts, problems, teams, and experiences.

MINI ENTREPRENEURIAL HACKATHONS

Year 11 and 12 students can register to be part of Entrepreneurial Hackathons where they work with students across year levels, interests, and backgrounds to put entrepreneurial and innovative thinking into practice. These 2-3 hour Hackathons are adhoc and are based on clients approaching St Paul's to help them generate innovative solutions to their problems or just to seek youth feedback on an issue/challenge. They maybe during or outside school time.

This is the opportunity for a short, fun, and intense way to learn more about business, discover, validate, develop an idea, and pitch to a client in a few hours.

INCUBATOR PROGRAM

All good ideas must be nurtured and fed to grow into something great! Our Incubator Program does just that. Students can apply for the program if they have a business idea they want to pursue. If accepted for the program, each student will participate in an eight-week (1 term) course to develop and further validate the idea. Teams are encouraged to participate in the Incubator; however, students can also complete it as an individual. As part of this process, they will receive a grant from our St Paul's Kickstarter Fund to help them on their way as well as guest speakers and mentors. The eight-week course will cover modules including:

1. Value Propositions
2. Customer markets, relationships, and personas

3. Customer research, validation, and marketing
4. Distribution Channels
5. Finances – revenue models, pricing tactics, and cost structures
6. Resources and Partnerships
7. Marketing and Business Development
8. Pitching and investment

Depending on the interest amongst Year 11 and 12 students, the Incubator Program can be delivered during the Additional Learning time or after school once a week. Students in the Incubator program will also be invited to attend all CIE related workshops and presentations.

Students will receive a survey in Term 3 to gauge their interest in the Third Pathway options which will be used to provide further detail on program availability and delivery based on numbers.

Further information can be found by visiting <https://thinkcie.com.au/> and www.designlednetures.com.au

VOCATIONAL EDUCATION AND TRAINING (VET)

Head of Studies Senior Pathways: Mr Glen Smith

VET IN SCHOOLS PROGRAMS

'VET in Schools' refers to Vocational Education and Training (VET) in Schools programs undertaken as part of a senior secondary certificate. VET in Schools programs allow you to earn credit towards a nationally recognised qualification, while you complete the general education curriculum for your Queensland Certificate of Education (QCE). VET qualifications will also contribute credit points to your QCE.

Please Note: Unfortunately, Full-Fee Paying Overseas Students (FFPOS) are unable to undertake a TAFE course off the School campus.

With VET in Schools, you can:

- combine a vocational pathway with your general education curriculum
- work towards a Certificate I, II or III, or sometimes even a Certificate IV qualification
- keep your options open to pursue further vocational education (such as courses at a Technical and Further Education (TAFE) institute, or move into higher education (such as undertaking courses at university)
- gain work experience

Before commencement of a VET course, students will receive the following information:

- VET student handbook
- VET consent form
- Course content and assessment requirements

WHAT DOES OUR SCHOOL OFFER IN VET IN SCHOOLS PROGRAMS?

Courses that are conducted and awarded by an external Registered Training Organisation (RTO).

- Music Industry – CUA30915 Certificate III in Music Industry
- Fitness Studies – SIS30310 Certificate III in Fitness

(Refer to the Course Outlines which appear in the subject's selection earlier in this book).

School Counsellors can advise students who may be considering a career path for which a VET course is appropriate.

VET in School Programs and School Based Traineeship/Apprenticeships are generally scheduled to coincide with school hours, and students need to sign a declaration that lesson content missed from the timetable will need to be made up in the allocated VET Study lessons.

HOW DO I NOMINATE VET IN MY SUBJECT SELECTION FORM?

Students choose 5 subjects on the subject selection form initially – once enrolment in a VET course has been confirmed the student will arrange a time with the Head of Studies Senior Pathways to negotiate a suitable timetable.

WHAT ARE AUSTRALIAN APPRENTICESHIPS?

Australian Apprenticeships (often referred to as traineeships and apprenticeships) are a great career option. They combine practical work with structured training to give you a nationally recognised qualification and the experience you need to get the job you want. Training is flexible and can be on-the-job, off-the-job or a combination of both. Australian Apprenticeships are available at a variety of qualification levels in most occupations, as well as in traditional trades and a wide range of emerging industry sectors.

You do not have to wait until you leave school to get started. Australian School Based Apprenticeships are now offered by St Paul's School, giving students the option of starting while still at school. Students also have the benefit of being paid for their on-the-job component each week.

To start an Australian Apprenticeship (either Traineeship or Apprenticeship) students must have their own employer contact.

HOW DO I GET STARTED FINDING A SCHOOL-BASED TRAINEESHIP/APPRENTICESHIP?

1. Consult one of the School Counsellors to discuss your career plans and interests;
2. Find work experience to see if you like the area;
3. Find an employer;
4. The School Counsellors may refer you to the School VET Administrator to assist with your application.

CAN I STILL RECEIVE AN ATAR IF I TAKE UP A VET OPTION?

A student undertaking four General subjects and one Applied subject or VET subject (Cert III or greater) is still eligible for an ATAR; however, it should be noted that all of the student's four General subjects will be used in the ATAR calculation.

COST OF VET PROGRAMS

VET embedded into the curriculum	• no extra parent contribution
VET courses offered by VET in Schools Program via TAFE	• depending on selection of course, fees may vary. There are courses on offer that attract no extra parent contribution
VET courses offered by Private Training Organisation	• extra parent contribution*
School-based Australian Apprenticeships	• no extra parent contribution

*price will vary between courses – see the School Counsellors for individual course fees.

WHAT TIME DOES MY VET EXTERNAL/INTERNAL VET COURSE START?

VET in School Programs and School Based Traineeship/Apprenticeships are generally scheduled to coincide with school hours, therefore it is likely that time missed from a student's timetable will need to be made up in their VET Study lessons.

NOTE: QCAA Student Portal will confirm exact QCE points on courses.

For further information, contact Glen Smith (g.smith@stpauls.qld.edu.au)

SUBJECT SPECIFIC EQUIPMENT REQUIREMENTS

Biology, Chemistry and Physics: Pearson Skills and Assessment workbook

Essential and General Maths: Non-programmable Scientific Calculator, preferred model is the Casio fx-82AU Plus II

Methods & Specialist Maths: Non-programmable Graphics Calculator, preferred model is the Casio fxCG-50AU

Music: Headphones that fit student laptops (generally 3.5mm plug)

PE: Plastic display folder

RaVE: 1 x exercise book (48 pages)

Religion and Ethics: 1 x 64-page exercise book

CONNECT WITH US

Visit 34 Strathpine Road, Bald Hills, Qld, 4036, Australia

Phone +61 7 3261 1388

Email enquiries@stpauls.qld.edu.au



An Anglican co-educational school from Pre-Prep to Year 12.

The Corporation of the Synod of the Diocese of Brisbane Trading as St Paul's School. CRICOS: 00515F