

Senior School OP Learning Pathway

Year 11 2017 and Year 12 2018

Faith Lutheran College, Redlands
Faith in Christ...prepared for life

LEARNING PATHWAYS AT FAITH

OP PATHWAY

University Directly after graduation

DIPLOMA PATHWAY

University Directly after graduation

WORK EDUCATION PATHWAY

Employment/Worforce Focus

Recommended for **University courses** requiring OP 1-10 (Physiotherapy, Sciences, Engineering, Medicine

Six OP subjects are studied for best outcomes

English, Mathematics, RE + 4 subjects (studied over four semesters)

> OP based on the best five OP subjects

> > Sit QCS test

Satisfy prerequisites and assumed knowledge for **University courses**

Apply through QTAC (September)

Some courses require audition or portfolio eg Music/Art (usually August)

> OP published (early to mid-December)

> > University offers (January)

Diploma of Business

Studied over Year 11 & 12

No requirement to sit OCS test

Minimum academic entry standards apply

No additional cost to families

Allocated lesson time of 2 subjects in the timetable

English, Mathematics, RE and up to 2 subjects (studied over four semesters)

Flexiblity of a negotiated learning program

Flexible and negotiated. Tailored to individual needs

English Communication, **Pre-Vocational Maths** and RE as required subjects

Can study Certificate II or III in Health with TAFE Trainer in Health Hub at Faith Can study Certificate and SAS

courses at College Negotiated rotations of up to 2 weeks in the workplace and 2 weeks at College

School-based Apprenticeship SBT (Certificate II)

School-based Apprenticeship SBA (Certificate III) SBT and SBA are both models of paid employment

Contributes points towards QCE, not OP

Includes both theory and practical work

Ranking option can provide pathway to university

Can study off-campus at TAFE



Faith offers three distinct learning pathways to suit all interests and abilities.

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This booklet aims to assist students in Year 10 to make informed choices of subjects for the final two years of their secondary education at Faith Lutheran College, Redlands. It is not exhaustive. However, if information was omitted parents or students felt to be necessary, or even helpful, please contact the College.

Faith Lutheran College, Redlands

Faith in Christ... prepared for life

Faith Values:

Love, Justice, Compassion, Forgiveness, Service, Humility, Hope, Quality, Appreciation, Courage

Faith Lutheran College, Redlands aims to provide quality education in which the gospel of Jesus Christ informs all learning and teaching, all human relationships and all activities.

The College's mission is to provide quality-learning opportunities while nurturing the development of all students in a Christ-centred community.

To support this Mission the School aims to:

- provide for each child instruction in God's Word and its place in our lives;
- provide a setting where children can respond to God's Word through worship and the development of Christian values, attitudes and relationships;
- provide for each child a wide range of experiences and activities which will stimulate interest in, and desire for learning;
- provide an atmosphere where each child is encouraged to recognise and develop their individual God-given talents as fully as possible;
- give each child quality instruction in learning areas across the curriculum as a foundation for future learning;
- stimulate interest in, and to provide opportunities for, growth in creative and cultural pursuits;
- provide opportunity for the total mental, physical, emotional, social and spiritual growth of each child in a single setting;
- command an atmosphere in which learning is valued, excellence is encouraged and honest effort is recognised and praised regardless of academic capabilities; and
- provide each child with an integrated vision and understanding of the whole of creation and all of life under the Lordship of Christ.

Central to the College's mission and ministry, Faith seeks to nurture students to be guided by core values and reflect the characteristics of God – especially: love, justice, compassion, forgiveness, service, humility, hope, quality, appreciation and courage.

The College also seeks to foster in students a desire to serve their communities by being:

- self-directed, insightful investigators and learners;
- discerning, resourceful problem solvers and implementers;
- adept, creative producers and contributors;
- open, responsive communicators and facilitators;
- principled, resilient leaders and collaborators; and
- caring, steadfast supporters and advocates.

Faith Lutheran College, Redlands sees each student as unique and offers an education program that will allow each student to develop their God-given abilities.

Our Belief

Our educational philosophy revolves around the belief that every child has the right to reach his or her optimum levels of functioning and performance in terms of the intellectual, physical, social, emotional and spiritual dimensions of life and, that these attainments, skills and attitudes be used in developing and strengthening positive relationships with others in society.

Children are regarded as unique individuals who have specific needs. The school therefore aims to cater for the needs of children along the entire spectrum of learning ability.

Planning a Learning Pathway

When planning a learning pathway, students are encouraged to follow programs that are consistent with the following learning beliefs:

- Learning goes beyond the academic; it includes the spiritual, physical, emotional and social;
- Learning is life-long;
- Learning follows developmental stages; it is a process not an event; and
- Learning occurs when the individual needs of the student are met.

We also believe that students whose learning pathway has a narrow focus are not prepared adequately for life.

In Years 11 and 12 every student at Faith Lutheran College, Redlands must study:

- · Religion and Ethics;
- English (English Communication or Senior English); and
- One Mathematics Subject (Prevocational Mathematics, Mathematics A or Mathematics B).

In addition, students choose a **Learning Pathway** from the following options;

- OP Pathway designed for students requiring an OP of 1-10 or need to complete specialist subjects as prerequisites for university entry;
- **Diploma Pathway** designed for students as an alternative academic pathway for entry to university after graduation; and
- Work Education Pathway designed for students who are looking for flexibility of learning and entering the workforce or VET related options after school.

Experience has shown that students gain most from choosing a learning pathway that suits them and the subjects they **enjoy** and in which they personally anticipate greatest **success**. If students have career aspirations that require **prerequisite** subjects or assumed knowledge, they need to consider these when selecting subjects. The onus is on students to investigate.

Students need to check on-line with individual tertiary institutions, or the QTAC Guide to Tertiary Courses (www.qtac.edu.au), to ensure that the course they wish to pursue at FLC,R will meet the necessary requisites. Each Tertiary course has different requirements.

If the requirements cannot be found, please contact either the Vocational Education and Careers Coordinator or the Dean of Studies.

Types of Learning Pathways

1. OP Pathway (OP subjects)

This is the traditional course structure consisting of Mathematics, English and Religion and Ethics and 4 other authority subjects. This pathway is designed for students requiring an OP from 1-10 for tertiary courses such as Medicine, Engineering or courses currently requiring an OP less than 10. Students are not expected to choose VET courses as an option as the focus is on specific university courses.

2. Diploma Pathway

This is a pathway in which students study a Diploma in Business at the College. In addition, students will still study Mathematics, English, Religion and Ethics plus up to 2 other Authority subjects if required as a prerequisite for university entrance. Students can use the Diploma to enter university as it has a ranking of 82 which is equivalent to an OP 9. Depending on the university course and university that they attend, subject credit may be applied to their university course.

3. Work Education Pathway

This is a flexible, individually tailored learning pathway designed to meet the needs of student who are interested in any of the following:

- Faith Health Hub, 1 day/week on campus Certificate II in Health Support Services (Yr 11);
- VET learning off campus eg. One day a week at TAFE;
- VET learning on campus eg Cert III Fitness;
- Career focused, long term work experience;
- Commencing a School Based Traineeship;
- Commencing a School Based Apprenticeship; and
- School Area Specific subjects eq, Furnishing Skills.

Students are expected to study Mathematics, English and Religion and Ethics and up to 4 other negotiated subjects depending on the individual needs of the students to create a flexible learning pathway.

Students are able to negotiate a cycle of up to 10 days of learning in the workplace and 10 days of learning on campus.

Types of Subjects

There are three categories of subjects offered at Faith Lutheran College, Redlands.

1. Authority Subjects (OP subjects)

Authority subjects are subjects that can contribute to an Overall Position (OP) result for entrance into tertiary institutions. The Queensland Curriculum and Assessment Authority (QCAA) prescribes the syllabus and schools write work programs for them. QCAA reviews, accredits and monitors Authority subjects. Results in Authority Subjects appear on the Senior Statement.

2. Authority-Registered School Subjects (SAS or Non-OP subjects)

The Queensland Curriculum Assessment Authority (QCAA) produces a Study Area Syllabus where schools design and write work programs and QSA approve them. Results appear on the Senior Statement. These subjects can contribute to a ranking for tertiary entrance, but they do not contribute to an OP result.

3. Vocational Education and Training (VET)

Students studying subjects with Vocational Education and Training competencies will receive Certificates and or Statements of Attainment in the relevant area. These are nationally recognised qualifications and articulate directly into other Certificates and Diplomas.

Vocational achievements of students appear on the Senior Statement.

Queensland Certificate of Education (QCE)

The QCE is Queensland's senior school qualification that is awarded to eligible students at the end of Year 12. Every young Queenslander is registered with the QCAA in Year 10.

Awarding a QCE

To be awarded a QCE, students are required to accrue 20 credit points. Students are able to check progress in their Learning Account on the QCAA website (www.qcaa.qld.edu.au).

Most students are awarded a QCE at the end of Year 12. Students who do not meet the QCE requirements at the end of Year 12 can continue to work towards their certificate. Students' learning account remains open for 9 years.

All students who finish Year 12 receive a transcript of their learning account in the form of a Senior Statement which is issued in December.

Tertiary Entrance

The table below shows alternatives to Tertiary Entry using OPs and Rankings.

OP - direct entry	Complete minimum of 5 OP subjects	Must sit the QCS Test
Non OP Ranking Diploma	Successfully complete a Diploma qualification and apply to QTAC for a ranking (OP equivalent 9)	Not required to sit the QCS test.
Non OP Ranking	Less than 5 OP subjects but not enrolled in a Certificate III or higher course	Not required to sit the QCS test.
Non OP Ranking Certificate III	Successfully complete a Certificate III qualification and apply to QTAC for a ranking (OP equivalent 15)	Not required to sit the QCS test

Overall Position – OP

Eligible students receive a Tertiary Entrance Statement at the end of their Year 12 studies. The statement includes the student's Overall Position (OP) and Field Positions (FPs). These are used to rank students for entrance to courses at universities, TAFE institutes and other tertiary institutions.

An OP is a student's state-wide rank based on overall achievement in QCAA-approved subjects. It indicates how well the student has done in comparison to all other OP-eligible students in Queensland.

Students are placed in one of 25 OP bands from 1 (highest) to 25 (lowest). In order to achieve an OP1, a student's achievement must be in the top 2% of OP-eligible students in Oueensland.

Students who want an OP must study 20 semester units of Authority subjects, including at least three subjects for four semesters each, and must sit the Queensland Core Skills Test.

The Queensland Core Skills Test (QCS) contributes information for the calculation of Overall Positions (OP), which is used to rank students for tertiary entrance. The test is held in Term 3 of students' Year 12. A student's individual QCS Test result is not used on its own in the calculation of their OP - instead, group results are used as part of the statistical scaling processes. A student's individual result on the QCS Test (from A to E) is reported on the student's Senior Statement.

Ranking:

An alternative pathway to an OP is through a ranking. Rankings are a score that is determined by either school results or completion of a Certificate III or higher qualification. It is equivalent to an OP; for example, a Certificate III gives a ranking of 68 or OP 15 equivalent. Non-OP students who attain a ranking and meet the institution's prerequisite requirements can gain entry to a tertiary institution.

OP Learning Pathway

Subjects Offered

Students will be required to study Religion and Ethics, Mathematics A or B and English plus FOUR other Authority subjects.

Subject choices need to be aligned with University "prerequisites" or University "assumed knowledge" which can be found at Queensland Tertiary Admission Centre (QTAC) website.

Subject to sufficient numbers enrolling for the courses, the following subjects will be offered in Year 11 in 2017 and Year 12 in 2018.

Students may be able to choose 1 Authority registered (SAS)/Certificate course (Work Education Pathway subjects) if it complements their chosen pathway.

SUBJECT	STATUS
Biology	OP
Business Communications and Technologies	OP
Chemistry	OP
Drama	OP
English	OP
English Extension (Available Year 12 only)	OP
Geography	OP
Graphics	OP
Home Economics	OP
Information Processing Technology	OP
Information Technology Systems	OP
Japanese	OP
Legal Studies	OP
Mathematics A	OP
Mathematics B	OP
Mathematics C	OP
Modern History	OP
Music	OP
Physical Education	OP
Physics	OP
Science 21	OP
Technology Studies	OP
Visual Art	OP

College Requirements for Years 11 and 12 from Year 10

The College has established requirements for certain subjects for Years 11 and 12. The requirements are a guide to the assumed knowledge needed to undertake the subject and advisable result to indicate ability to achieve success in the subject.

To be successful in any of the Authority (OP) subjects, it is a requirement that a student studies English due to the rigour and standards required in written assessment in these subjects.

This may also be a University prerequisite.

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Subject	Minimum result in equivalent subject in Year 10	Other information	
Biology	В	Equivalency Year 10 Science	
Chemistry	В	Equivalency Year 10 Science	
Drama	С		
English	С		
English Extension (Yr 12)	В	Must be concurrently enrolled in English	
Geography	С		
Information Processing Technology	С		
Information Technology Systems	С		
Japanese	С		
Legal Studies	С		
Mathematics A	С	Equivalency Year 10 Core Mathematics	
Mathematics B	В	Minimum of a B in Mathematics Extension	
Mathematics C	В	Must be concurrently enrolled in Mathematics B	
Modern History	С		
Music	В		
Music Extension (Yr 12)	В		
Physics	В	Minimum of a B in Mathematics Extension Equivalency Year 10 Science	
Science 21	С	Equivalency Year 10 Science	
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Biology (OP)

Biology involves the study of the natural systems of the living world. It allows students to develop skills in higher levels of science. It is a four-semester course offered over Year 11 and Year 12.

The course requires students to work at a high level of independence and accept academic challenges. Fieldwork studies are a compulsory requirement of this course. Biology should be undertaken by those students who intend studying such science courses as Medicine, Paramedics, Nursing, Veterinary Sciences and Medical Science at university.

What do students study?

Students undertake eight (8) units of study:

- Patterns in Nature,
- Life on Earth.
- Ecosystems,
- Maintaining a Balance,
- Communication,
- Genetics: The Code Broken,
- The Blueprint of Life, and
- The Search for Better Health.

How are students assessed?

Students undertake two (2) assessment items per semester except for Year 12 Semester 1, where three assessment items are undertaken. The assessment items include Extended Response (ER), Extended Experimental Investigations (EEI) and Written Task (WT).

Year 11

Semester 1 Exam and Field Study Report

Semester 2 Field Study Report and Scientific Report

Year 12

Semester 1 Written Exam, Assignment and Scientific Report

Semester 2 Assignment and Written Exam

Who can study Biology?

To study Biology, it is recommended that students have achieved a **minimum standard of 'B' or better** at the end of Year 10 Science and have achieved a 'C' or better in English.

Business Communication and Technologies (OP)

Business Communication and Technologies offers students opportunities to engage in and understand a range of current business practices. It enables them to make informed and reasoned decisions about their role in a constantly changing business environment in which they need business knowledge, skills and strategies.

Students examine the broader social, cultural and environmental implications of business activities with a focus on the essential skills of communication and the use of business-specific technologies. It encompasses both theoretical and practical aspects of business issues in contexts that students will encounter throughout their lives and provide the basis for them to be able to participate effectively as members of the business world as well as citizens dealing with issues emanating from business activity.

Business Communication and Technologies fosters intellectual, social and moral development by engaging students to think critically about the role and ethical responsibilities of business to society. It also has relevance to future pathways, as it provides useful knowledge and competencies for life as well as further learning. This subject may lead to employment in such areas as business administration, events administration, workplace health and safety, or tertiary study in the fields of business, business management, accounting, events management and human resources.

What do students study?

During the two years, students undertake topics of study examined through business contexts.

Year 11

- Business Environments
- Workplace Health and Safety
- Financial Administration
- Managing Workplace Information

Year 12

- International Business
- Managing People
- Social Media
- Industrial Relations

How are students assessed?

Assessment in Business Communication and Technologies is standards based and is designed to assist students demonstrate achievement in the dimensions and objectives of the syllabus. These are: Knowledge and understanding business; Investigating business issues and Evaluating business decisions.

Students will be assessed in each of the three dimensions through the use of short response, extended written response, multi-modal presentations.

Who can study Business Communication and Technologies?

While there is no pre-requisite for enrolment in this subject, it is recommended that students have a keen interest in the nature of business and business practices. Students need to be able to express themselves clearly using appropriate business terms and language.

Chemistry (OP)

Chemistry involves the study of sub-atomic particles; how they form and interact with the world. It allows students to develop skills in higher levels of science. It is a four-semester course offered over Year 11 and Year 12.

The course requires students to work at a high level of independence and accept academic challenges. Students who intend studying science, engineering or medical courses at university should study chemistry.

What do students study?

Students undertake eight (8) units of study:

- The Periodic Table,
- Water Quality,
- Chemistry of the Car,
- Wine Making/ analysis,
- Reaction Rate and Equilibrium,
- Practical Polymers,
- Fuels, and
- Forensics.

How are students assessed?

Students undertake three (3) assessment items in Semester 1 and then two (2) assessment items in the remaining three (3) semesters. The assessment items vary from Extended Response Tasks (ERT), Extended Experimental Investigations (EEI) and supervised assessments (SA).

Year 11

Semester 1 Assignment, Written Exam and Scientific Investigation

Semester 2 Assignment and Scientific Investigation

Year 12

Semester 3 Written Exam, Assignment and Scientific Investigation

Semester 4 Assignment and Written Exam

Who can study Chemistry?

For the study of Chemistry, students should have achieved a **minimum standard of 'B' or better** at the end of Year 10 Science.

Drama (OP)

Drama explores and celebrates the human presence within real, imagined and mediatised worlds. Through engagement with drama, students develop knowledge, understanding and skills of dramatic languages and dramatic perspectives. They apply them to a creative investigation of the world and their place in it.

Drama provides students with a range of skills which are transferable to a variety of vocational and future pathways. In a knowledge-based economy, the world requires workers who are innovative thinkers, adept communicators and excellent team players. The collaborative nature of drama as an art form provides students with opportunities to learn and to manage the interpersonal and intrapersonal skills required to work effectively, both individually and in groups.

What do students study?

Students undertake five (5) units of study:

- Foundation skills,
- Realism,
- Political Theatre,
- Comedy, and
- Greek and Elizabethan Drama and Physical Theatre.

How are students assessed?

There are no exams in Drama. Students undertake twelve (12) assessment items over the two years, each of which corresponds to a unit of work.

Year 11

Semester 1 - Group Improvisation

- Scripted Performance

- Extended Response

Semester 2 - Individual Seminar

- Individual Directing

- Group Devised Performance

Year 12

Semester 1 - Extended Response

- Directing Workshop

- Scripted Performance

Semester 2 - Stage Performance

- Scriptwriting

- Extended Response Multimodal

Who can study Drama?

Although not a prerequisite, studying Drama in Year 9 and Year 10 is advantageous, as is a **minimum standard of 'C' in English**.

English (OP)

The English curriculum values literature and literacy. It is the role of English to expose students to a range of texts which they might otherwise never be acquainted. Students investigate and interrogate texts written by highly regarded English, American and Australian Indigenous and non-Indigenous authors, poets, playwrights and film makers. Students also study a range of more contemporary texts: modern film texts, documentaries, digital narratives, web-sites and other non-literary texts.

What do students study?

		Assessment	
Year 11			
Semester 1 - Australian	Voices (novel)	- Short Story - Feature Article - Oral: public audience	
- Australian	Voices (media)	- Analytic exposition in response to literature	
- Australian	Voices (poetry)	- Collage	
Semester 2 - Contemporary Australian plays			
Year 12: Semester 1			
- Writing up a storm (novel a	ind film)	- Short Story/Transformative Writing –	
- Writing up a storm (short stories and poetry)		- Feature Article: Written persuasive text -	
- What Lies Beneath: Persuasion in the media		- Individual Podcast or Vodcast	
Semester 2 - Hanging with the Bard: Shakespeare		- Shakespeare	
- Individual assessment		 Final Assessment either: Group Oral Or Individual written exposition 	

Who can study English?

Students should have a **minimum 'C' in Year 10 English** to undertake English at Senior.

English Extension (OP)

English Extension (Literature) is only offered in Year 12. It is a three-term course designed to allow students to develop deep understandings of literary theory. Students must be enrolled in Senior English to undertake the course.

The course is more challenging and demanding than Senior English. It requires students to work at a high level of independence and accept academic challenges. English Extension builds on, and goes beyond, the studies students undertake in Senior English, enabling them to specialise in the theorised study of literature over two semesters.

What do students study?

Students undertake three (3) units of study. Reader Response and Author Centred approaches Text and World approaches to Literary Analysis Independent Research Project.

How are students assessed?

There are no exams in English Extension. Students undertake three (3) assessment items; each corresponds to a unit of work. There are two written assessment tasks and one spoken or oral assessment task. All assessment contributes to the final Year 12 result.

Who can study English Extension (Literature)?

Students **must be in Year 12 and enrolled in English** to study Extension English. Although it is not required by the syllabus, students should have **a minimum 'B' or better at the end of Year 11 in English**. Students who show commitment to their study in English, can be invited or requested to enrol in the course.

Generally, classes for Extension English take place outside of normal class hours. Students must be willing to make the commitment to attend classes after school. Students will also be required to discontinue one of their other subjects to undertake Extension English.

Assessment

Term 1 A reading and a defence

Term 2 A complex transformation and a spoken defence

Term 3 Student devised research project applying and comparing

Geography (OP)

Geography is the study of the earth's surface as the space in which people live. Geography consists of studies of people and places, and of the relationship between people and their environment. A course in Geography will include not only a study of physical environments, but also the way that people have sought to modify physical and social environments, and the effects of these human activities.

Geography, as an area of study, is a dynamic one in which technological development, especially in areas such as satellite imagery and computers, is changing our understanding of the physical world and the way that information about it is gathered. Geography will assist students to understand the rapid expansion in knowledge and understanding of their physical and social world.

What do students study?

The Senior Geography syllabus is designed around four themes.

Year 11

Semester 1- Managing the Natural Environment:

- Responding to Natural Hazards; and
- Managing Catchments.

Semester 2 - Social Environments:

- Sustaining Communities; and
- Connecting People and Places.

Year 12

Semester 1 - Resources and the Environment:

- Living with Climate Change; and
- Sustaining Biodiversity.

Semester 2 - People and Development:

- Feeding the World's People; and
- Exploring the Geography of Disease.

In addition, students study a range of related elective topics. The elective topics are selected by the College, taking into account student preferences, resources and local needs.

How are students assessed?

Students are assessed by:

- Short response tests,
- Stimulus response tests,
- Essays,
- Practical tests, and
- Field reports.

Who can study Geography?

Geography is open to students who have an interest in and an understanding of place and space, especially how the physical world interacts with the human at a social, economic and political level. Geography is a bridging subject between the Arts and Sciences; therefore, Geography students should have a **minimum** 'C' in both English and Mathematics.

Graphics (OP)

Graphics engages students in solving design problems and presenting their ideas and solutions as graphical products. Graphics is considered an essential tool for all graphical design fields and professions that design, manufacture and build. The subject contributes to the development of technological literacy and develops problem-solving skills required for a large number of educational and vocational aspirations, including the fields of graphic design, industrial design, built environment design (architecture, landscape architecture and interior design), engineering, urban and regional planning, surveying and spatial sciences, and building paraprofessionals.

What do students study?

Students develop an understanding of design factors and the design process. They set design criteria and apply their criteria to their design solutions. Students explore design problems through the design process where they identify and explore a need or opportunity for a target audience; research, generate and develop ideas; and produce and evaluate their solutions. Students develop solutions to design problems in both two-dimensional and three-dimensional formats. The use of computer software is an essential requirement for presenting design folios

The three design areas are:

- industrial,
- built environment (architecture, landscape architecture and interior design), and
- graphic.

How are students assessed?

Assessment is an ongoing part of the Graphics program and is designed to enable students to demonstrate a broad range of achievement. Typical assessment techniques include: Design Folios and Examinations. Students are assessed in three dimensions:

Knowledge and understanding encompasses the range of knowledge and understandings required to respond to design problems.

Analysis and application encompasses selecting, analysing and interpreting information about design problems.

Synthesis and evaluation which encompasses the synthesis of ideas and making and justifying decisions. It encompasses the recommendations made throughout the design process and justification of the final solution.

Who can study Graphics?

There are no prerequisites for Graphics; however, an interest in design, computer generated images and detailed construction drawings would be an advantage. Free educational copies of the software required by students choosing graphics will be provided ie. Autodesk Inventor and Autodesk Revit. These programs will only run on a 'Windows' platform and as such will influence which device is purchased for use at school. A three-button mouse is also essential.

Home Economics (OP)

Home Economics is a field of study designed to offer students opportunities to discover and further develop their critical and creative capabilities with a focus on the enhancement of individual and family wellbeing. It is a two-year course completed over four semesters, covering a broad range of study areas including clothing, consumerism, community services, design, families, fashion, food, food science, health, human development, living environments, management, nutrition and textiles.

As an academic subject, Home Economics requires students to research and investigate issues using a variety of technologies. These include studies of the wellbeing of individuals, families and the community.

Home Economics provides balance between theoretical understandings and practical capacities. It recognises the importance of a practical approach to solving everyday living problems. In Home Economics, practical skills are extended to include the development of the skills and attitudes required for thoughtful promotion of the wellbeing of individuals and families.

What do students study?

Students undertake four semesters of study that consists of four units of work. The areas of study within these units are based on the core content from which study in Home Economics is drawn. These are:

- Individuals, families and communities,
- Nutrition and food, and
- Textiles and fashion.

How are students assessed?

Assessment in Home Economics is based on dimensions, and is designed to enable students to demonstrate achievement of the required objectives. The dimensions for a course in this subject are:

- Knowledge and understanding;
- Reasoning and communicating processes; and
- Practical performance.

A variety of assessment instruments are used to enable students to demonstrate their performance within each dimension.

Assessment includes:

- supervised objective and short-response test;
- extended written responses such as research assignments and reports, and response to stimulus tests;
- performance and production of practical product; and
- iournals.

Who can study Home Economics?

Students may study Home Economics in Year 11 and Year 12 without having studied the subject in previous years. However, Senior Home Economics builds on the prior concepts and learning undertaken in the Middle School Home Economics units of study.

Information Processing Technology (OP)

Information Processing and Technology (IPT) is a computer-based subject designed to prepare students for the ever-advancing Computer industry. The course focuses on six topics:

- Algorithms (A),
- Relational Information Systems (RIS),
- Software Programming (SP),
- Structured Query Language (SQL),
- Social and Ethical Issues (SEI), and
- Human-Computer Interaction (HCI).

These topics are not always taught as discreet units but are often integrated to provide an authentic, real-world experience for the students.

Information Processing and Technology is an authority subject and will contribute towards OP calculations.

What do students study?

Students will learn their software design and implementation as well as their relational database work and SQL using industry-standard languages and software packages. They will also study good user design and topics related to the interactions between computers and human beings. All of this will be presented with a strong focus on social and ethical considerations in the use of technology.

How are students assessed?

Students are assessed by written and practical exams, reports and minor and major projects.

Year 11

Semester 1 A short response exam, a report and a practical exam all related to

Algorithms and Software Programming.

Semester 2 A short response exam and a minor project related to Relational

Information Systems and SQL.

Year 12

Semester 1 A short response exam, a report and a major project related to

Algorithms and Software Programming.

Semester 2 A major project and short response exam related to Relational

Information Systems and SQL.

Who should study Information Processing and Technology?

There are no pre-requisites to study IPT. Students should have a high-level of computer skills and a sound writing and mathematical ability. Ideally, students would have studied Information and Communication Technologies (ICT) in Years 9 and 10.

Information Technology Systems (OP)

Information Technology Systems (ITS) is a computer-based subject designed to prepare students for the ever-changing Information Technology (IT) industry. The course focuses on web development as well as game design and development.

What do students study?

Students will learn game design and development skills. These will include algorithm design and scripting, primarily using Actionscript 3.0 in Adobe Flash. They will also study web development using a range of software packages. The different social and ethical situations surrounding the IT industry are also examined in this course.

How are students assessed?

Students are assessed by written and practical exams, written tasks and minor and major projects.

Year 11

Semester 1 Practical Task and Project on Game Design and

Development using Adobe Flash and ActionScript 3.0

Semester 2 Group Project and Written Exam on Web Development

Year 12

Semester 3 Practical Task, Project and Written Exam on Game

Design and Development using Adobe Flash and

ActionScript 3.0

Semester 4 Project and Multi-modal presentation on Web Development

Who should study Information Technology Systems?

There are no pre-requisites to study ITS. Students should have a high level of computer skills and a sound writing and mathematical ability.

Japanese (OP)

Japanese enhances the student's capacity to communicate and work effectively with others using a range of spoken, written and non-verbal means of expression to achieve shared goals for purposeful communication. Senior Japanese offers the opportunity for students to study key elements of Japanese popular culture, life and community.

The purpose and appeal of Japanese lies in the fact that Japan is one of Australia's Asian neighbours and major trading partners. Japan represents the cultural heritage of a growing number of Australians, and their rich traditional and contemporary cultures provide opportunities for our social, creative and intellectual development.

(National Statement for Engaging Young Australians with Asia in Australian Schools, 2006).

What do students study?

The focus of the course is on developing the four skills of language: Listening, Reading, Speaking and Writing in real-life situations. The Senior program is designed to be completed over 2 years and covers 4 themes based on real-life and life-like activities:

- Family and Community (celebrations, relationships);
- Leisure, Recreation and Human Creativity (holidays, entertainment, hobbies and sports);
- School and Post-School Options (student exchanges, school stress, future plans); and
- Social Issues (homelessness, migrants, environment, adolescence).

How are students assessed?

Students will be tested each semester on the four (4) macro-skills of Listening, Reading, Speaking and Writing. There are NO ASSIGNMENTS.

By the conclusion of the course, students should:

- understand that learning a language is a continuous process through life;
- willingly interact with others in Japanese; understand that attitudes and values, their own and those of others, are embedded in culture;
- develop a view of the world shaped by intercultural understanding; and
- understand that language and culture are interdependent.

The University of Queensland's Bonus Rank Scheme offers students passing an approved language other than English (LOTE) 2 points.

Who can study Japanese?

This subject is intended for students who wish to study Japanese as an additional language and who have studied the language at Middle School level in Australia or in a similar environment. Students, typically, will have studied Japanese for a continuous period.

Legal Studies (OP)

Legal Studies has been designed for students who wish to develop understandings, skills and abilities in regards to common legal issues, allowing them to be an active and empowered member of society. Legal Studies focuses on applying law to social contexts, with emphasis on the discussion and analysis of current interesting legal and social issues in the context of everyday life. Students are encouraged to watch and discuss programs that are educational as well as entertaining in order to recognise situations where legal implications emerge. Providing access to radio programs, newspapers and journal articles assists the students to analyse a variety of opinions on legal and social issues.

What do students study?

Year 11

- The Legal System
- Human Rights
- Criminal Law
- Introduction to Civil Obligations

Year 12

- Family Law
- Independent Inquiry
- International Law
- Housing and the Law

How are students assessed?

A wide range of assessment techniques are used to determine student understanding and achievement of the course's exit standards. Formal assessments are broken down into examinations, and extended response assessments that are either response to stimulus or research tasks.

Other informal assessment methods are used to enhance the learning experience, these include quizzes, practical exercises, real or simulated problem solving, as well as field experiences.

The exit standards for Legal Studies that form the framework for each assessment task are:

- Knowing and Understanding the Law;
- Investigating Legal Issues; and
- Responding to the Law.

Who can study Legal Studies?

Students studying Legal Studies will need to express themselves clearly both in written and verbal formats. A minimum standard of 'C' in Year 10 English is recommended.

Mathematics A (OP)

Mathematics A is designed to allow students to develop skills in everyday mathematics that involves finance, measurement and statistics, and geometry.

The course requires students to work at a high level of independence and accept academic challenges. Mathematics A is undertaken by students who intend studying Business, Humanities and general Information Technology courses at University.

What do students study?

Students undertake five (5) units of study:

- Financial Mathematics,
- Applied Geometry,
- Statistics and Probability,
- Maps and Compasses, and
- Networks and Queuing.

How are students assessed?

Students undertake three (3) assessment items per semester. There are two written exams and an assignment each semester.

Who can study Mathematics A?

Although it is not required by the syllabus, students should have a minimum 'C' at the end of Year 10 in Mathematics Extension or Mathematics Core.

Mathematics B (OP)

Mathematics B is designed to allow students to develop skills in higher-level mathematics that involves abstract concepts in algebra, functions and calculus. It is a four-term course offered over Year 11 and 12.

The course is more challenging and demanding than Mathematics A. It requires students to work at a high level of independence and accept academic challenges. Mathematics B should be studied by students who intend studying Science, Engineering or higher-level Information Technology courses at university.

What do students study?

Students undertake seven (7) units of study:

- Introduction to Functions,
- Rates of Change,
- Periodic Functions and Applications,
- Exponential and Logarithmic Functions and Applications,
- Introduction to Integrations,
- Applied Statistical Analysis, and
- Optimisation.

How are students assessed?

Students undertake three (3) assessment items per semester. There are two written exams and an assignment each semester.

Who can study Mathematics B?

Although it is not required by the syllabus, students should have a **minimum 'B'** at the end Year 10 in Mathematics Extension.

Mathematics C (OP)

Mathematics C is designed as an extension to Mathematics B. It allows students to develop advanced skills in higher-level mathematics that have not been studied in their previous mathematics studies. It is a four semester course offered over Year 11 and Year 12.

The course requires students to work at a high level of independence and accept academic challenges. Those students who intend studying Science, Mathematics, higher-level Information Technology or Actuary at University undertake Mathematics C.

What do students study?

Students undertake eight (8) units of study:

- Introduction to Groups,
- Real and Complex Number Systems,
- Matrices and Applications,
- Vectors and Applications,
- Calculus,
- Structures and Patterns,
- Dynamics, and
- Advanced Periodic and Exponential Functions.

How are students assessed?

Students undertake three (3) assessment items per semester. There are two written exams and an assignment each semester.

Who can study Mathematics C?

It is a College requirement that students should have a **minimum standard of 'B'** at the end of **Year 10** in **Mathematics Extension** be achieved in order to study this subject.

It is a requirement by the syllabus that **students must also study Mathematics B in Year 11 and Year 12.**

Modern History (OP)

Through the study of Modern History, students can understand why our modern world is the way it is. They can understand the processes of change and continuity that have shaped today's world, their causes, and the roles people have played in those processes. Students understand that there are relationships between our needs and interests and a range of historical topics, people and events. At a personal level, Modern History helps students to identify their social location, their place in time and their heritage within a distinctive culture.

What do students study?

The focus on the learning experience in Modern History is facilitated inquiry and is designed around five (5) themes.

Year 11

Semester 1 – National History

Studies of Power

Semester 2 - History of Ideas

and Beliefs

- The Development of Australian Cultural Identity

- Apartheid: A Land Divided

- Nazi Germany

- China, Communism

- The Cold War and Beyond

Year 12

Semester 1 - Studies of Conflict

- Defining Terrorism

- Global Terrorism: Valid Responses?

- Conflict and Terror in the Middle East

Semester 2 - Studies of Change - Revolutionary Change in the 20th Century.

- Gender Relations: Changing Roles of Women

How are students assessed?

- Students are assessed by their performance on: test essays in response to historical sources,
- research assignments in response to inquiry questions;
- multimodal presentations that may include non-written and visual presentations such as video, power point or interactive multi-modal technologies; and
- short response tests and response to stimulus tests.

Who can study Modern History?

Modern History is a language discipline in which the students need to express themselves clearly in both writing and speaking. Therefore, it is advised that students have achieved a minimum standard of 'C' in Year 10 English.

Music (OP)

Senior Music Year 11 and Year 12 is designed to allow students to develop deep understandings of musicology, composition, performing and music theory.

What do students study?

Students undertake four (4) semesters of study over 2 years. It is referred to as Year A and Year B.

Year A

In Semester 1, students are introduced to "Australiana". In this unit, students produce a composition in the genre and style from studied repertoire. This is followed by "Compositional Devices, Ostinatos, Riffs and Loops" unit, which gives the students a thorough understanding of the analytical aspects of repertoire.

In Semester 2, students study "Opera and Musical Theatre" with the requirement of performing repertoire from works studied in class. A final task "Making a Musical Statement" is negotiated between student and teacher.

Year B

In Semester 1, students are introduced to segments of repertoire from "Wars, Weddings and Requiem". A performance in front of a "Live" audience is required. This is followed by an extension of the previous unit with the challenge of composing a Wedding song/repertoire.

In Semester 2, students study "Film Music" and produce their own composition of film score. The final task is referred to as "Wide Horizons" and is negotiated between student and teacher.

How are students assessed?

In Year 12, all assessment contributes to the final result.

Year A	- Composition	- Teacher guided, student drafted assignment.
	- Musicology	- Teacher guided, analytical essay, web page, multi-media presentation.
	- Performance	- Student designed performance.
	- Choice of one of the above three	- Teacher guided.
Year B	above tillee	
rear b	- Performance - Musicology	 Student designed performance. Teacher guided, analytical essay, web page, multi-media presentation.
	- Composition	- Teacher guided, student drafted assignment.
	 Choice of <u>one</u> of the above three 	- Student designed

Who can study Music?

As a College requirement, it is strongly advisable that students have completed Year 10 Music. Although it is not required by the syllabus, students should have **a minimum standard of 'B' or better** at the end of **Year 10 Music**. Students who show commitment to their study in Music and have excellent results, can be invited to enrol in the course. Students should have a thorough knowledge of music notation and basic music knowledge.

Physical Education (OP)

Physical Education provides a foundation for students who wish to pursue further study in human movement related fields such as Sports Development, Sport Journalism, Sport Psychology and Coaching, Athlete Conditioning and Management, Personal Training and Teaching.

Students develop skills and understandings of varied physical activity contexts and roles. Complex and sophisticated learning is developed over the course, with the development of student abilities across the general objectives, as well as developing psychological, biomechanical, physiological and sociological concepts within, and across, physical activities.

What do students study?

Over the two (2) years, students study four (4) physical activities, integrated with content drawn from three (3) focus areas. These areas include:

- Learning physical skills;
- Processes and effects of training and exercise and equity and access to exercise; and
- Sport and physical activity in Australian society.

How are students assessed?

Students undertake two (2) assessment items per unit of work. For all units, students will be assessed on:

- Physical performance in the activity under investigation; and
- Theoretical knowledge of concepts relating to the physical activity.

Year 11		
Semester 1	- Motor Learning / Volleyball	 Extended Response Analytical Exposition
	 Figueroa's Framework/ Sport Aerobics 	 Continuous assessment of Physical Performance
Semester 2	- Biomechanics / Basketball	- Multi-Modal Presentation- Research Report
	- Energy Systems / Touch	 Continuous assessment of Physical Performance
Year 12		
Semester 1	- Training Principles / Touch	Research AssignmentSupervised Extended Written Response
	- Figueroa's Framework/ Sport Aerobics	 Continuous assessment of Physical Performance
Semester 2	- Sports Psychology / Volleyball Figueroa's Framework/ Basketball	 Multi-Modal Presentation Analytical Exposition Continuous assessment of

Who can study Physical Education?

Any student can study Physical Education; however, it is recommended that students who are interested in the practical and theoretical aspects of physical education, and who can undertake a demanding work load, would best suit this subject.

Physical Performance

Physics (OP)

Physics involves the study of the universe and how it works, as well as its applications and benefits to our society. It allows students to develop skills in higher levels of Science. It is a four-semester course offered over Year 11 and Year 12.

The course requires students to work at a high level of independence and accept academic challenges. Physics is undertaken by those students who intend studying Science or Engineering courses at university.

What do students study?

Students undertake nine (9) units of study:

- Cars Speed and Safety,
- Amusement Park Physics,
- Movie Magic,
- Discovering the Solar System,
- Fluids,
- Making Waves,
- Physics in the Home,
- Medical Physics, and
- The Search for Understanding.

How are students assessed?

Students undertake three (3) assessment items in Semester 1 and then two (2) assessment items in each of the remaining three (3) semesters.

ERT, SA

The assessment items vary from:

- Extended Response Tasks (ERT),
- Extended Experimental Investigations (EEI) and

Written Fxam

- Supervised Assessments (SA).

Year 11Semester 1

	3	·
Semester 2	Article and Scientific Investigation	ERT and EEI
Year 12 Semester 3	Written Exam and Assignment	SA and ERT
Semester 4	Assignment, Scientific Investigation and	

Written Exam and Scientific Investigation

Who can study Physics?

For the study of Physics, it is required that students study Mathematics B in Year 11 and Year 12 and have achieved a minimum standard of 'B' at the end of Year 10 Science and Extension Mathematics.

Religion and Ethics (SAS)

Religion and Ethics introduces students to the world of religion and spirituality, which are integral components of the fabric of all cultures. It aims to give the students a clear understanding and appreciation of the Christian story through an exploration of the biblical text and Christian literature.

The subject acknowledges that all students are on a lifelong journey of faith expressed in many dimensions of life, for example, relationships, community life, the environment, religious beliefs and traditions, situations of human need and suffering, ethical and justice issues. The core of Religion and Ethics focuses on the personal, relational and spiritual dimensions of human experience.

What do students do?

Students will be involved in a wide range of learning activities to achieve the aims and objectives of this course and to develop their knowledge of Religion and Ethics.

Students will analyse and discuss:

- Christian and other worldviews,
- the reading and interpretation of biblical text,
- the relevance of Christianity,
- spirituality,
- sin and grace, and
- problem solving and everyday experiences.

How will students be assessed?

A wide range of assessment techniques are used to determine student understanding and achievement and may include:

- short answer tests,
- essays,
- assignments,
- practical exercises,
- real or simulated problem solving,
- seminars; and
- media presentations.

Who can study Religion and Ethics?

Religion and Ethics is a compulsory subject. All students in Year 11 and Year 12 are required to study this subject.

Science21 (OP)

Science21 involves the study of Physics, Chemistry, Biology and Earth Science. It is a course that aims to develop in students a broad understanding of the relevant science in today's scientific and technological age. It is a four-semester course offered over Year 11 and Year 12.

The course requires students to work with a level of independence and accept academic challenges. Science21 is undertaken by those students who enjoy studying science.

What do students study?

Students undertake four (4) main units of study:

- Technology,
- Health and Well Being,
- Catalysts for Discovery, and
- Environment.

How are students assessed?

Students undertake three (3) assessment items in each semester. The assessment items vary from:

- Extended Response Tasks (ERT);
- Extended Experimental Investigations (EEI);
- Supervised assessments (SA); and
- a Collection of Work (CW).

Year 11 Samastar 1

Semester 1	Written Exam and Scientific Investigation	ERT, SA, CW
Semester 2	Article and Scientific Investigation	ERT, EEI, CW
Year 12 Semester 3	Written Exam and Assignment	SSA, ERT, CW
Semester 4	Assignment, Scientific Investigation and Written Exam	

Who can study Science 21?

For the study of Science21, it is required that students have achieved a minimum standard of 'C' at the end of Year 10 Science.

Technology Studies (OP)

Technology Studies is a two-year course of study that challenges students to understand and appreciate technological innovation and its impact on society. Students will learn about the application of knowledge, resources, materials and processes to develop solutions to real-world design problems by producing practical products. In Technology Studies, students will examine and create solutions to design problems. Students will develop an understanding of real-world product design and production processes as well as providing opportunities to develop lifelong skills in strategic thinking, practical problem solving, information analysis, creative thinking and project management.

What do students study?

Using a design process, students investigate design problems from a variety of contexts, while considering the human needs of individuals and communities. Students explore and analyse design factors to develop ideas and produce products through the practical application of manufacturing technologies and materials. They also create and make products on campus in the Technology Workshops that meet a need and confirm student design decisions. Students also analyse and evaluate ideas and products against design criteria, justify design decisions and make recommendations for improvement.

How are students assessed?

Assessment in Technology Studies provides opportunities to demonstrate an increasing knowledge and understanding of how to develop solutions to design problems using a design process. Students will analyse design problems and apply design factors, then develop ideas and produce products, evaluating their processes and solutions as they work.

Assessment Tasks include:

- **Design folios** these involve the documentation of the design process where the student develops ideas and produces products in response to a design problem. The documentation process uses both visual and written communication, which may include freehand sketches, drawings, computer generated images, photographs and extended writing
- **Reports** these involve analysing the relationship between a product and society, and may include proposing solutions, expressing and justifying a point of view or explaining and evaluating an issue.

Increasing complexity in all tasks and units of work are a natural progression as the student transitions from Year 11 to Year 12. Students will complete two design folios and one report in Year 12. The basis of achievement level awarded to each student on exit from this course is the student's performance in the dimensions: Analysing Design Problems, Applying Design Factors and Communicating.

Who should study Technology Studies?

There are no prerequisites for undertaking this course; however prior experience with Technology & Design is an advantage. Practical components of Technology Studies are undertaken in a workshop environment using plant, tools and associated machinery and equipment. A full course of study in Technology Studies will form a basis for further education and employment in the fields of industrial design, product design, civil engineering, mechanical engineering, electrical engineering, architecture and project management.

Visual Art (OP)

Visual Art is designed to teach students to make images and objects and communicate visually while solving visual design problems. In an increasingly visual world, the subject teaches students to read visual imagery and become a critical observer and producer of art works.

The course has two (2) components, "Making" and "Appraising". In "Making", students create artworks after a process of investigation of materials and ideas. They are required to communicate their thoughts, ideas, feelings, experiences and observations. In "Appraising", students examine and respond to artworks from a variety of contexts.

Over the course of two years, students form their own artistic style and self-expression through individual responses when they make and appraise artworks.

What do students study?

Year 11

Semester 1: Collections Students develop a folio of experiments and resolved works

based on the concept along with a research task into an influencing artist. They also complete a short response.

Semester 2: Obsessions Students create a Body of Work and an extended writing

piece that reflect issues and items that they are interested in.
They choose from a variety of Art media such as digital and

traditional 2D and 3D forms.

Year 12

Semester 1: Commentaries Students create a self-directed Body of Work that reflects

their interpretation of this concept along with a 1000 to 1200

piece of extended writing.

Semester 2: Identity Students respond to the topic of identity and create a Body

of Work which is their personal interpretation using their choice of art materials along with an 800-1000 word research

assignment.

How are students assessed?

In each unit, students are expected to complete a folio of practical work referred to as a body of work, which includes experimental work as well as the final work or works. They also research and respond to artists whose work is relevant to the unit in written form, which can include essays, short response type answers, catalogues or gallery reviews.

Who can study Visual Art?

Any student who is motivated to follow through on projects and is able to show initiative in solving design problems is encouraged to pursue the subject. Students are expected to work both in class and at home to create a body of work and be able to organise their time.

Students need to have achieved at least a 'C' in English in Year 10.

Additional Subjects

Other possible subject choices to compliment learning pathways:

SUBJECT	STATUS
BSB30115 Certificate III in Business:	VET
English Communication	SAS
SIS30313 Certificate III in Fitness	VET
SIT20216 Certificate II in Hospitality	VET
Furnishing Skills	SAS
Prevocational Mathematics	SAS
Visual Art in Practice	SAS

If you would like to discuss any of the options in this booklet please contact the Senior School Office on 3820 5520.

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