



# SUBJECT INFORMATION BOOKLET



**Year 11 2014  
and  
Year 12 2015**

**Distributed 2013**

This booklet is designed 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 intended to be exhaustive. However, if there is information which has been omitted and which is felt by parents or students to be necessary, or even helpful, please contact the College.

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# 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;
- 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
- 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 as fully as possible, providing programs for students with disabilities as well as those assessed as gifted and talented.

### The College offers students and families:

- A caring and supportive Christian community
- Committed and competent Christian staff
- Innovative, new and exciting best practice in developing new facilities
- High expectations for all in the community
- A broad range of experiences and subjects including Vocational Education options across Prep to Year 12.

## 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 Course

The College believes that education is central to improving the human condition. We believe the quality of being human resides in the capacity to reason, to have a significant capacity to choose a future, to understand our environment, to act and make judgments within the Christian framework and to see ourselves in the wider Australian and global context. These qualities are fostered by a curriculum that has in broad terms the following purpose:

**Preparation for Personal Growth and Life Long Learning:** developing self-respect, self-discipline and resilience, accepting the legitimate rights of others, having knowledge of cultural traditions and a range of cultural interests, developing a consistent and acceptable moral code based on Christian values, gaining skills in critical thinking, communication and problem solving.

**Preparation for citizenship in a democratic society:** taking an interest in local, national and international political and social issues, voting intelligently, understanding and supporting the legal system, taking responsibilities within the community.

**Preparation for vocations:** development of appropriate skills and attitudes, making career and associated course path choices at appropriate times.

When planning courses of study, 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.
- Learning occurs when the individual needs of the student are met.

We also believe that students whose course of study has a narrow focus are not prepared adequately for life.

## Selecting Subjects

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

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

In addition, students choose **four (4)** elective subjects.

All students will participate in sports activities such as Swimming Carnival, Cross-Country and Athletics Carnival.

### **Aptitude + Interest + Future Pathways = Fulfilling Choices**

Experience has shown that students gain most from choosing the subjects they **enjoy** and in which they personally anticipate greatest **success**. If students have career aspirations that require **prerequisite** subjects, they need to consider these when selecting subjects. The onus is on students to investigate such possible prerequisites themselves.

Students need to check on-line with individual tertiary institutions, or the QTAC Guide to Tertiary Courses, 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 Coordinator or the Dean of Studies.

## 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 Studies Authority (QSA) prescribes the syllabus and schools write work programs for them. QSA reviews, accredits and monitors Authority subjects. Results in Authority Subjects appear on the Student Education Profile and the Queensland Certificate of Education (QCE).

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

The Queensland Studies Authority (QCS) produces a study area specification where schools design and write work programs and QSA approve them. Results appear on the Queensland Certificate of Education (QCE). 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 Statements of Attainment and/or Certificates in the relevant area. These are nationally recognized qualifications and articulate directly into other Certificates and Diplomas as part of the Australian Qualifications Training Framework.

***Vocational achievements of students appear on the Queensland Certificate of Education***

## **Queensland Certificate of Education**

The QCE is Queensland's senior school qualification that is usually awarded to eligible students at the end of Year 12. Every young Queenslander must be registered with the QSA during the year before the young person's compulsory participation phase begins. Generally, schools will register young people in Year 10.

### **Awarding a QCE**

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 remain 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**

#### **Overall Positions - OPs**

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 QSA-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 Queensland.

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 (OPs), 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 or Statement of Results.

## Subjects Offered

Subject to sufficient numbers enrolling for the courses, the following subjects may be offered in Years 11 in 2014 and Year 12 - 2015.

SUBJECT	STATUS
Biology	OP
Business: Certificate II	VET
Business Communications and Technologies	OP
Chemistry	OP
Drama	OP
English	OP
English Communication	SAS
English Extension (Available Year 12 only)	OP
Furnishing: Certificate I	VET
Geography	OP
Graphics	OP
Home Economics	OP
Hospitality (VET)	VET
Information Technology Systems	OP
Japanese	OP
Legal Studies	OP
Prevocational Mathematics	SAS
Mathematics A	OP
Mathematics B	OP
Mathematics C	OP
Modern History	OP
Music	OP
Physical Education	OP
Physics	OP
Religion and Ethics	SAS
Recreation and Sport: Certificate III	VET
Science 21	OP
Technology Studies	OP
Visual Art	OP
Visual Art Studies	SAS

# Biology (OP)

## What is it?

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 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
- The Search for Better Health

## How are students assessed?

Students undertake two (2) assessment items per semester except for Year 12 Semester One (1) where three (3) assessment items are undertaken. The assessment items vary from Extended Response (ER), Extended Experimental Investigations (EEI) and Written Task (WT).

When	What	Assessment Type
Term 1	Exam and Field Study Report	WT and ER
Term 2	Field Study Report and Scientific Report	ER and EEI
Term 3	Written Exam, Assignment and Scientific Report	WT, ER and EEI
Term 4	Assignment and Written Exam	ER and WT

## 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 - BSB20112 - Certificate II in Business (VET)

## What is it?

Certificate II in Business (BSB20112) is a nationally recognised qualification that provides the learner with an entry-level qualification into the field of administration, as well as an overview of business skills that they can apply to their personal life. The certificate is part of the Business Services Training Package (BS07), which includes a wide range of administration/financial qualifications. The topics covered in this subject provide students with worthwhile strategies and techniques they can use during their studies and then into the workplace.

Certificate II in Business is not an Authority Subject, and does not contribute to a student's OP score. However, if successfully completed, the student will achieve four (4) credit points towards their Queensland Certificate of Education.

## What do students study?

During the two years, students study the following 12 units of competency.

### Year 11

- BSBITU201A Produced simple word processed documents
- BSBWOR202A Organise and complete daily work activities
- BSBWOR204A Use business technology
- FNSACC301A Process financial transactions and extract interim reports (Part 1)
- BSBINM201A Process and maintain workplace information

### Year 12

- FNSACC301A Process financial transactions and extract interim reports (Part 2)
- BSBSUS201A Participate in environmentally sustainable work practices
- BSBCMM201A Communicate in the workplace
- BSBITU202B Create and use spreadsheets
- BSBITU302B Create electronic presentations
- BSBITU303A Design and produce text documents
- BSBWOR203B Work effectively with others

## How are student assessed?

Students are assessed by competency – their ability to be able to demonstrate that they are able to complete the task according to the prescribed industry standard. If they are unable to demonstrate competency in the first instance, then they have an opportunity to rectify, and then be re-assessed. Assessment takes the form of: Portfolio, Checklist, Multi-modal presentation, Project. There are no formal exams.

Students are able to gain recognition of prior learning (RPL) by providing evidence of having completed the learning in another environment. Application for RPL is made with the classroom teacher.

Students who complete all units of competency receive a certificate issued by the Queensland Studies Authority (QSA). For those who do not complete the course, a Statement of Attainment is issued.

Certificate II in Business can be used as a stepping stone into a higher qualification, and onto university. It can also be used as an entry level qualification into employment in administration.

## Who can study Certificate II in Business?

It can be selected by students who are seeking an OP (does not count towards an OP) or those who are looking to enter the workforce after Year 12.

# **Business Communication and Technologies (OP)**

## **What is it?**

Business Communication and Technologies offers students opportunities to engage in and understand a range of administrative practices. It enables them to make informed and reasoned decisions about their role in a constantly changing business environment for 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 Organisation 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.

Assessment in year 11 is Formative, with all Summative assessment in year 12.

## **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)

## What is it?

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 do 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
- 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).

When	What	Assessment Type
Term1	Assignment, Written Exam and Scientific Investigation	ERT, SA and EEI
Term 2	Assignment and Scientific Investigation	ERT and EEI
Term 3	Written Exam, Assignment and Scientific Investigation	SA and EEI
Term 4	Assignment and Written Exam	ERT and SA

## 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)

## What is it?

Drama explores and celebrates the human presence within real, imagined and mediated 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 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.

- The Elements of Drama
- How Theatre Can Change the World
- Shakespeare in a Modern Context
- History of Australian Theatre
- A Career in the Arts

## How are students assessed?

There are no exams in Drama. Students undertake ten (10) assessment items over the two years of senior; each corresponding to a unit of work.

	<b>What</b>	<b>Assessment Type</b>
<b>Year 11 Semester 1</b>	<ul style="list-style-type: none"><li>• Group Improvisation (3 minutes)</li><li>• Individual Directing (800–1000 words)</li><li>• Scripted Performance (3 minutes)</li><li>• Analytical Essay (800–1000 words)</li></ul>	Practical Task Teacher-Drafted Report Practical Task Teacher-Drafted Assignment In Response To Live Theatre
<b>Year 11 Semester 2</b>	<ul style="list-style-type: none"><li>• Oral Analysis (4 – 6 minutes)</li><li>• Group Devised Performance</li></ul>	Teacher-Drafted Oral Presentation Practical Presentation
<b>Year 12 Semester 1</b>	<ul style="list-style-type: none"><li>• Group Devised Appropriation of a Play</li><li>• Directing Workshop (10 minutes)</li><li>• Scripted Performance</li></ul>	Teacher Guided Play for Public Performance Practical Task
<b>Year 12 Semester 2</b>	<ul style="list-style-type: none"><li>• Shakespearean play (6 minutes)</li><li>• Analytical Essay (800–1000 words)</li><li>• Monologue OR Analytical Essay</li></ul>	Practical Task Teacher-Drafted Assignment in Response to Live Theatre Practical Task OR Written Essay.

## 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)

## What is it?

The English curriculum values literature and literacy. It is the role of the English Department to expose students to a range of texts to 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?

Year 11:

- Australian Voices (novel)
- Australian Voices (media)
- Australian Voices (poetry)
- Contemporary Australian plays

Year 12:

- Writing up a storm (novel and film)
- Writing up a storm (short stories and poetry)
- What Lies Beneath: Persuasion in the media
- Hanging with the Bard: Shakespeare

## How are students assessed?

<b>Year 11</b>	<b>What</b>	<b>Assessment Type</b>
Semester 1	Short story/transformativ writing. Feature Article Oral:	Teacher-guided written assignment  Written persuasive text - (exam conditions) Persuasive/reflective text suitable for a public audience (live performance recorded on video)
Semester 2	Analytic written exposition in response to literature Group Oral	Written under test conditions  Oral
<b>Year 12</b>	<b>What</b>	<b>Assessment Type</b>
Semester 1	Short oral (4-6 minutes):  Short story  Feature article Oral	Long oral  Transforming poetry into prose  1. Written under controlled conditions 2. Individual podcast or vodcast
Semester 2	1. Exam 2. Either : Group Oral, 3-5 minutes per person <b>or</b> Individual, 3. Long : 7 – 10 minutes 4. Written Exposition: 800-100 words	1. Analytic exposition under exam conditions  Oral Essay

## Who can study English?

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

# English Communication (SAS)

## What is it?

Effective communication is integral to our society. New technologies, the influences of globalisation and the restructured workplace require students to be able to interpret, construct and make judgments about meanings in texts, in preparation for lifelong learning. The study area specification in English Communication is designed to allow students to develop and use these skills in the areas of work, community and leisure. Within this context, students will need to:

- Make meanings in, and of, everyday mass media and literary texts, understanding the influence of cultural contexts and social situations
- Develop abilities in speaking, listening, reading, viewing, writing and shaping texts.
- Become confident, effective and critical users of texts and language, making judgments to accept or challenge meanings.

## What do students study?

In Year 11, students study:

- Self-Identity – introduction to oral presentation, organising, selecting information
- Holidays and Travel – persuasive writing, manipulating images and text to sell a product
- The Right Job For Me – research of employment opportunities
- Local, National, Global issues and the way they are shaped in the media.
- Charity Quest – research on how charities operate and report on one charity in some depth.
- Youth Culture – various options for students to explore and promote responsible attitudes.

In Year 12, students study:

- Heroes and Role Models – examination of values communicated in the media
- Moving On And Moving Out – research of options available after completion of Year 12
- TeenFest - proposal for a free concert for teenagers with detailed planning and promotion
- Film Review – exploration of contemporary issues presented in the media.

## How Are Students Assessed?

Students are assessed on a combination of oral and written presentations with a heavy emphasis on oral presentations to reflect workplace situations where employees will be expected to lead teams, train others and present proposals. While students have plenty of time to prepare and edit their work, high standards are expected in preparation for the high expectations in the workforce.

## Who Should Study English Communication?

This course is ideal for students who do not need English as a subject for their future career paths. English Communication is an Authority-Registered School Subject - Study Area Specification (SAS) and therefore is not for students wishing to gain an OP. Students who receive **less than a 'C' in Year 10 English** should enroll in English Communication.

## English Extension (OP)

### What is it?

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.

When	What	Assessment Type
Term 1	A reading and a defence (1000 to 1500 words)	Teacher-drafted research assignment
Term 2	A complex transformation and a spoken defence (8 to 10 minutes)	Teacher-drafted oral presentation and written transformation
Term 3	Student devised research project applying and comparing (2500 to 3000 words)	Teacher-guided research assignment

### 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, and excellent results, can be invited or request to enroll in the course.

Generally, classes for Extension English take place outside of normal College 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.

## **Furnishing – Certificate I LMF 10108 (VET)**

### **What is it?**

Certificate I in Furnishing is a broad based knowledge and skills subject that will prepare students for the Furnishing industry. Students will obtain work-ready skills including an understanding of work situations, machines, tools and materials, and an awareness of safety in the industry. You will learn how to develop hand and power tool skills to help you construct basic furniture products. Allied trades include cabinet making, furniture finishing, flat panel construction and wood machining.

### **What do students study?**

Over the two years, students will progressively complete the following integrated units of study:

- *Follow safe working policies and practices:* This unit covers the essential activities required to satisfy safe work practices within the furnishing industry.
- *Communicate in the workplace:* This unit covers the skills and knowledge required to communicate in a furnishing industry workplace. It covers the activities of gathering, conveying and receiving information together with completing routine written correspondence.
- *Carry out measurements and calculations:* This unit covers the competency to accurately complete measurements and calculations of materials relevant to the work requirements.
- *Work effectively with others:* This unit covers the competency required to work in a group environment requiring group commitment and cooperation and support of other group members.
- *Construct a basic timber-furnishing product:* This unit covers the competency to construct, assemble and finish a basic timber-furnishing product
- *Assemble furnishing component:* This unit covers the skills required to assemble timber components to produce furniture frames or furniture.

### **How are students assessed?**

Units are completed with a combination of online tests run through the MyTAFE web site and practical tasks in the workshop.

### **Who can study LMF10108 Certificate in Furnishing?**

Certificate 1 in Furnishing does not have any prerequisites; however, having Technology and Design in Year 10 is an advantage.



# Geography (OP)

## What is it?

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

#### **Managing the natural environment**

- Responding to Natural Hazards
- Managing Catchments

#### **Theme 2: Social Environments**

- Sustaining Communities
- Connecting People and Places

### Year 12

#### **Resources and the Environment**

- Living with Climate Change
- Sustaining Biodiversity

#### **People and Development**

- Feeding the World's People
- 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 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 in both English and Mathematics.**

# Graphics (OP)

## What is it?

Graphics is a course of study that provides an opportunity for students to gain an understanding of graphical communication across a broad spectrum of applications. The course draws upon the fundamental principles of graphical communication. These principles are developed through contextual units, which typically focus on Production Graphics, Business Graphics and the Built Environment.

Students learn about the efficiency and effectiveness of graphical communication and its ever-increasing impact on our technological society. Through the structured medium of visual imagery, students learn the ability to communicate and express information with clarity and precision. Students are encouraged to be imaginative and creative through problem solving and designing. They develop real-life skills for visualising, investigating, analysing, synthesising and evaluating technical problems, and learn how to manipulate mechanical and computer drafting equipment effectively as a vehicle for conveying the outcomes of their research in a visually appealing form.

## What do students study?

The two areas of study are:

- *3-dimensional viewing systems*

Through 3-dimensional viewing systems, students learn to model real-world images with the intent of communicating with consumers, manufacturers and non-technical audiences.

- *2-way dimensional viewing systems*

Through 2-dimensional viewing systems, students learn to communicate with professionals and paraprofessionals trained in interpreting detailed specifications. A critical component of this area of study is the development of spatial and conceptual processes through which 2-dimensional drawings are produced and viewed.

## How are students assessed?

Students are assessed through:

- major research projects focused on the Built Environment, Product Development and Business Graphics.
- Semester tests cover the theoretical aspects of the course.

## Who can study Graphics?

There are no prerequisites for Graphics; however, an interest in computer generated images and drawings would be an advantage.

# Home Economics (OP)

## What is it?

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. Home Economics is an academic subject, which requires students to research and investigate issues using a variety of technologies. The wellbeing of individuals, families and communities is explored through an inquiry process that explores a variety of points of view, including social/cultural, political/legal, historical, environmental, technological, economic and ethical.

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 well-being 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.*
- *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
- 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 products
- and
- journals.

## 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 Junior Home Economics units of study.

# Hospitality: SIT10212 - Certificate I Hospitality (VET)

## Certificate I in Hospitality SIT10212

### What is it?

Hospitality is an area of study that provides students with a range of interpersonal skills with a general application in personal and working life, as well as with specific knowledge and skills related to employment within the hospitality industry. This qualification provides the skills and knowledge for an individual to be competent in routine tasks in the kitchen.

The Hospitality industry has become increasingly important in Australian society of expanding employment opportunities. This study area specification is designed to provide understanding of the role of the Hospitality industry as well as the structure, scope and operation of related activities. The Hospitality industry provides the context and standards in which students not only learn to understand the industry's workplace culture and practices, but also develop the skills, processes and attitude crucial for making valid decisions about future career paths. The subject also enables students to investigate Hospitality as a source of leisure activities, life skills, or as an avenue for further study.

### What do students study?

This subject is designed to provide an understanding of the Hospitality industry. Opportunities are provided for the development of the key competencies in contexts that arise naturally from the theoretical and practical components of the subject. In the course of their studies, students will collect, analyse, organise and evaluate the quality and validity of information. They will plan and organise activities, and have opportunities to propose and implement solutions to hospitality-related issues, individually and in teams, particularly with regard to the performance of practical tasks.

During the two years, students study will complete six units of competency that make up the qualification. They are as follows:

- BSBWOR203B Work effectively with others
- SITXCCS101 Provide information and assistance
- SITXFSA101 Use hygiene practices for food safety
- SITXWHS101 Participate in safe work practices
- SITHCCC101 Use food preparation equipment
- SITHCCC102 Prepare simple dishes

Throughout this course, students will have the opportunity to undertake structured workplace learning at Sharks Sporting Club, Victoria Point. They will work with the Head Chef and gain food preparation and presentation experience in a commercial kitchen setting.

### How are student assessed?

Students are assessed on their participation theoretical knowledge and practical work. It is assessed on demonstration of the student's ability to be able to perform the relevant task to the industry standard. On completion, students will be awarded a Certificate I in Hospitality as well as a Statement of Attainment. Should a student exit the program before all units of competency have been completed, then they will receive a Statement of Attainment for units of competency completed.

### Who can study Certificate I in Hospitality?

There are no prerequisites for Hospitality, but having studied Home Economics in Year 10 would assist student learning.

***Students must also be prepared to purchase a uniform and undertake off-campus structured workplace learning.***

# Information Technology Systems (OP)

## What is it?

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.

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

## 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.

When	What	Assessment Type
Semester 1	Essay on Social and Ethical Issues Flash Gaming Assignment	Extended Written Response Practical Task
Semester 2	Web Development Assignment Web Design	Major Project Written Exam
Semester 3	Game Design and Gaming Industry Social and Ethical Issues – Response to Stimulus Gaming and Simulation	Extended Written Response Written Exam Major Project
Semester 4	Web Development Assignment Computer Architecture and Networking	Major Project Written Exam

## Who should study Information Technology Systems?

There are no pre-requires to study ITS. Students should have high level of computer skills and a sound writing ability. Ideally, students would have **studied Information Communication Technology in Year 9 and Year 10.**

# Japanese (OP)

## What is it?

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 they are one of Asian neighbours and major trading partners. They represent 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:

1. **Family and Community** (celebrations, relationships)
2. **Leisure, Recreation and Human Creativity** (holidays, entertainment, hobbies and sports)
3. **School and Post-School Options** (student exchanges, school stress, future plans)
4. **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**.
- Assessment in Year 12 contributes to the exit level of achievement and the student's OP (if eligible).

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
- 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 junior secondary level in Australia or in a similar environment. Students, typically, will have **studied Japanese for a continuous period throughout Years 8, 9 and 10 and have obtained at least a 'C' standard.**

# Legal Studies (OP)

## What is it?

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 of current interesting legal and social issues in the context of everyday life. This provides students with valuable social perspectives. 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
- Criminal Law
- Civil Obligations – Torts

### Year 12

- Renting and Buying
- Family Law
- Independent Study
- Law in a Changing Society

## How are students assessed?

A wide range of assessment techniques are used to determine student understanding and achievement of the course's exit criteria. The following techniques constitute the formal mode of assessment: short response test, inquiry, response to stimulus, non-written presentation, and extended responses.

Other methods of assessment used to enhance the learning experience include assignments, practical exercises, real or simulated problem solving, seminar and media presentation, as well as reports on field experiences.

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

- Knowledge and Understanding
- Investigation
- Evaluation and Communication.

## 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.

# Prevocational Mathematics (SAS)

## What is it?

Prevocational Mathematics is designed to help students improve their numeracy by building their confidence and success in making meaning of mathematics. It allows students to develop the basic skills that are required for the workplace. It is a four-term course offered over Year 11 and 12.

The course requires students to work with independence and in groups, and accept academic rigour. Prevocational Mathematics is undertaken by those students who do not intend to study at University.

## What do students study?

Students undertake five (5) units of study.

- Number
- Data
- Location and time
- Measurement
- Finance

## How are students assessed?

Students undertake four (4) assessment items per semester except for Semester 4, which only has three (3) assessment items. There are no written exams in this course.

When	What	Assessment Type
Term 1	One individual assignment and one in-class assessment task	Assignment and in-class activity
Term 2	One individual assignment and one in-class assessment task	Assignment and in-class activity
Term 3	One individual assignment and one in-class assessment task	Assignment and in-class activity
Term 4	One individual assignment and one in-class assessment task	Assignment and in-class activity

## Who can study Prevocational Mathematics?

This subject is recommended for students who have achieved **less than a 'C' in Year 10 Mathematics Core**.



# Mathematics A (OP)

## What is it?

Mathematics A is designed to allow students to develop skills in everyday mathematics that involves finance, measurement and statistics and geometry. It is a four-term course offered over Year 11 and Year 12.

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
- 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.

When	What	Assessment Type
Semester 1	One (1) exam split into two (2) sections.	Exam
Semester 2	One (1) exam split into two (2) sections and an assignment	Exam and Report/Extended Modelling and Problem Solving Task
Semester 3	One (1) exam split into two (2) sections and an assignment	Exam and Report/Extended Modelling and Problem solving task
Semester 4	One (1) exam split into two (2) sections	Exam

## Who can study Mathematics A?

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

# Mathematics B (OP)

## What is it?

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
- Optimisation

## How are students assessed?

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

When	What	Assessment Type
Semester 1	One (1) exam split into two (2) sections.	Exam
Semester 2	One (1) exam split into two (2) sections and an assignment	Exam and Report/Extended Modeling and Problem solving task
Semester 3	One (1) exam split into two (2) sections and an assignment	Exam and Report/Extended Modeling and Problem solving task
Semester 4	One (1) exam split into two (2) sections.	Exam

## Who can study Mathematics B?

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

# Mathematics C (OP)

## What is it?

Mathematics C is designed as an extension to Mathematics B. It allows students to develop advanced skills in higher-level mathematics that not studied in their previous mathematics studies. It is a four-term 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
- 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.

When	What	Assessment Type
Semester 1	One (1) exam split into two (2) sections	Exam
Semester 2	One (1) exam split into two (2) sections and an assignment	Exam and Report/Extended Modeling and Problem Solving Task
Semester 3	One (1) exam split into two (2) sections and an assignment	Exam and Report/Extended Modeling and Problem Solving Task
Semester 4	One (1) exam split into two (2) sections	Exam

## Who can study Mathematics C?

Students should have a **minimum standard of 'B+' or better** at the end of **Year 10 in Mathematics Extension** be achieved in order to study this subject.

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

# Modern History (OP)

## What is it?

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. They can 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 four (4) themes.

### Year 11

#### Studies of Power

- Australian Race Relations
- Apartheid: A Land Divided
- Nazi Germany

#### History of Ideas and Beliefs

- China, Communism
- The Cold War and Beyond

### Year 12

#### Studies of Conflict

- Global Terrorism: Valid Responses?
- Conflict and Terror in the Middle East

#### Studies of Change

- Ethical Dilemmas
- 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)

## What is it?

Senior Music Year 11 and Year 12 is designed to allow students to develop deep understandings of repertoire, composition, performing and music theory. It is a two-year course offered only to Year 11 and Year 12 students.

## 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 “Music for Little People”. In this unit, students produce a composition in the genre and style from studied repertoire. This is followed by “Bold and the Beautiful” unit, which gives the students a thorough understanding of the analytical aspects of repertoire.

In Semester 2, students study “Love and Sorrow” 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 “War and Requiems”. A performance in front of a “Live” audience is required. This is followed by “An Exploration of Australian Music” and an analytical opportunity.

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

## How are students assessed?

When	What	Assessment Type
Year A	Composition	Teacher guided, student drafted assignment.
	Analysing Repertoire	Teacher guided, analytical essay, web page, multi-media presentation.
	Performance	Student designed performance.
	Choice of one of the above 3	Teacher guided.
Year B	Performance	Student designed performance.
	Analysing Repertoire	Teacher guided, analytical essay, web page, multi-media presentation.
	Composition	Teacher guided, student drafted assignment.
	Choice of one of the above 3	Student designed.

All assessment contributes to the final Year 12 result.

## Who can study Music?

As a prerequisite, 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 enroll in the course. Students should have a thorough knowledge of music notation and basic music knowledge.

# Physical Education (OP)

## What is it?

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 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,
- 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:

- Practical physical performance  
and
- Theoretical knowledge

When	What	Assessment Type
<b>Year 11</b>		
Term 1	Motor Learning / Volleyball	Written Extended Response In Class Practical continuous assessment
Term 2	Energy Systems / Touch	Research Report Practical continuous assessment
Term 3	Biomechanics / Basketball	Multi-Modal Presentation Practical continuous assessment
Term 4	Figueroa's Framework/ Sport Aerobics	Analytical Exposition Practical continuous assessment
<b>Year 12</b>		
Term 1	Figueroa's Framework/ Sport Aerobics	Supervised Extended Written Response Practical continuous assessment
Term 2	Sports Psychology / Volleyball	Multi-Modal Presentation Practical continuous assessment
Term 3	Training Principles / Touch	Analytical Exposition Practical continuous assessment
Term 4	Figueroa's Framework/ Basketball	Analytical Exposition Practical continuous assessment

## 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 to this subject.

# Physics (OP)

## What is it?

Physics involves the study of the universe and how it works, and 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 eight (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
- The Search for Understanding
- 

## 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).

When	What	Assessment Type
Semester 1	Written Exam and Scientific Investigation	ERT, SA
Semester 2	Article and Scientific Investigation	ERT and EEI
Semester 3	Written Exam and Assignment	SA and ERT
Semester 4	Assignment, Scientific Investigation and Written Exam	ERT, EEI and SA

## 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' or better at the end of Year 10 Science and Mathematics.**

# Religion And Ethics (SAS)

## What is it?

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 the Religion and Ethics program focuses on the personal, relational and spiritual dimensions of human experience.

Students who are successful in this two-year program are credited with four (4) points toward their QCE. This subject is not included in the calculation of OP results.

## 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,
  - 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 it?

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



# Science21 (OP)

## What is it?

Science21 involves the study of Physics, Chemistry, Biology and Earth Science all in the one course. 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
- 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)

<b>When</b>	<b>What</b>	<b>Assessment Type</b>
Semester 1	Written Exam and Scientific Investigation	ERT, SA , CW
Semester 2	Article and Scientific Investigation	ERT ,EEI,CW
Semester 3	Written Exam and Assignment	A ,ERT,CW
Semester 4	Assignment, Scientific Investigation and Written Exam	RT, EEI and SA

## Who can study Science21?

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

# Sport and Recreation – Certificate III SIT 30510 (VET)

## What is it?

In Sport and Recreation studies, students are involved in communicating ideas and information in, about and through recreation activities. Sport and Recreation activity involves students working with others and in teams. It is supported by collecting, analysing and organising information about physical performance, planning and organising activities, investigating solutions to problems, using suitable technologies and, where relevant, employing mathematical ideas and techniques.

Upon completion of this course, students will have attained 9 QCE points.

Certificate II in Sport and Recreation	4	(Core)
Certificate II in Community Recreation	4	(Core)
Recreation Short Course	1	(Enrichment)

## What do students Study?

Students undertake a number of units that are competency based. At the conclusion of each unit, students will be deemed competent or non-competent.

## How are students assessed?

Students develop competency over time, with completed activities as the source of assessment evidence. Throughout the two-year course, students will study the following concepts:

### Year 11

- Occupational Health and Safety
- Plan a Work Schedule for Program / Event
- Equipment Use and Maintenance
- Collecting Information
- Using Technology to Process Information
- Beginning Coaching Principles
- Review of OHS and Work Tasks
- First Aid
- Respond to Emergencies

### Year 12

- Customer Service and Dealing with Customer Complaints
- Environmental Sustainability
- Organise Work Schedule
- Risks Analysis of Activities
- Complete Work Schedule

### Practical

- Completed activities throughout training program (documented in e-Portfolio)

### Theory

- Quizzes and personal reflections – used to gain further evidence of experience and application of knowledge

## Who can study Sport and Recreation studies?

Any Senior student can undertake Sport and Recreation studies; however, it is recommended to students who are considering undertaking VET subjects as opposed to OP subjects.

# Technology Studies (OP)

## TECHNOLOGY STUDIES (OP)

### What is Technology Studies?

Technology Studies is an OP eligible two-year course of study which 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 will investigate design problems from a variety of contexts, while considering the human needs of individuals and communities. Students will explore and analyse design factors to develop ideas and produce products through the practical application of manufacturing technologies and materials. Products are created because they meet a need and confirm student design decisions. These products are produced on campus in our Technology Workshops. Students will analyze 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 instruments 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. Design folios are 1000 - 1500 words in length.
- 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. Reports are 700 - 1200 words in length.

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 achievement level awarded to each student on exit from this course are based on the student's performance in the dimensions of: 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 contribute 4 credits toward the Queensland Certificate of Education (QCE), and establish 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 Studies (SAS)

## What is it?

Visual Art Studies is an Authority Registered Subject that is a practical based subject with an emphasis on problem solving and personal expression in a range of art materials. It has three areas which are:

- Exploring
- Knowing  
and
- Expressing.

It aims to develop in students an awareness of the role of Art in the real world by solving some real world problems.

## What do students study?

Students undertake eight (8) units of study; four (4) in Year 11 and four (4) in Year 12.

### Year 11

- Semester 1**
  - The basics of design using printmaking
  - Totems and Torsos - ceramics and sculpture
- Semester 2**
  - Flash Trash - jewellery, sculpture and mixed media works
  - Inspirational Places - painting and drawing as well as the use of digital media

### Year 12

- Semester 1**
  - Identity, which uses photography and Photoshop
  - Memories, which uses fashion, printmaking and design
- Semester 2**
  - Community Art - working as a team to create a community art project as a brief
  - Recreation – a sculpture, based unit

## How are students assessed?

Students are assessed on the completion of a practical folio of work, as well as short answer written responses. They also need to keep a visual journal that shows their planning and development of ideas, as well as their media experimentation.

## Who can study Visual Art Studies?

Students must be able to manage their time and persist with the completion of tasks as well as the presentation of their work for viewing. They need basic literacy skills and be able to develop individual ideas through to completion. A degree of personal organisation is required.

# Visual Art (OP)

## What is it?

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 the two-year course, 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**
  - Design and self-expression through drawing and printmaking.
  - Creating sculptures and drawings reflecting emotions.
  
- Semester 2**
  - Using found objects, photography, digital images, painting and drawing to create collages, mixed media works and assemblages reflecting on the environment.

### Year 12

- Semester 1**
  - Exploring the nature and meaning of Identity through students choice of art materials.
  
- Semester 2**
  - Creating works of a personal nature that students choose to show their reflection on an issue that interests them.

## 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 in class and at home to create a body of work and be able to organise their time. They do need to have sound literacy skills and a motivation to express themselves in a visual form.

