



Faith Lutheran College, Redlands

# Elective Options

YEAR 10  
2022



# Our Aims

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 best 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.

# 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.

# Selecting Your Electives

In Year 10 students are preparing to choose their pathway for Year 11 and 12. The curriculum at Faith Lutheran College, Redlands, has been designed to provide students with the opportunity to sample a variety of units that are a semester in length.

Students will complete 10 units from the options which follow. In addition to their elective choices students will study English and Mathematics.

Students must select a minimum of 2 Sciences and a minimum of 1 Geography or History based subject.

For students wishing to begin a Vocational Education and Training (VET) pathway in Year 10 there are several options available. It is encouraged that students wishing to learn more about the VET options contact Mrs Julene Lander [Julene.Lander@flcr.qld.edu.au](mailto:Julene.Lander@flcr.qld.edu.au).



# ELECTIVE OPTIONS

## SCIENCE

### A Push, A Pull, A Spark and A Bang (Physics)

In this course students will explain the concept of energy conservation and represent energy transfer and transformation within systems. They will apply relationships between force, mass and acceleration to predict changes in the motion of objects. Contexts that could be investigated in this unit include technologies (such as accelerometers, motion detectors, artificial satellites, navigation devices) and related areas of science including thermal energy, musical instruments, electrical energy production and electricity in the home. As well as engineering (such as sports science, car and road safety, bridge and building design, amusement parks, ballistics, forensics, black holes and dark matter). Participation in a range of experiments and investigations will allow students to progressively develop their suite of science inquiry skills. Collaborative experimental work also helps students to develop communication, interaction, character and management skills.

### Magic, Alchemy and Chemistry (Chemistry)

Students will be best prepared for studying Chemistry in Year 11 by choosing this semester course. In Term One students have the opportunity to research, design and plan their own Chemistry Magic Show, which is presented to a primary school class. In doing this the fundamentals and nature of chemical reactions are studied as well as learning how to assess the risk of chemicals. In Term Two students learn some vital chemical techniques and understand how the nature of matter in atoms and their arrangement has helped unlock the secrets of chemistry over time.

### It's a Jurassic World – What are the Real Benefits and Dangers of Genetics and Bio-technology? (Biology)

One of the fastest growing industries in Science. Learn about the genetic code and how it paints the picture of the natural world. Understand how this rapidly changing, technology driven industry is changing how we view aspects of health, disease, evolution and our own futures.

### Fearfully and Wonderfully Made (Biology)

Cells are the fundamental building blocks from which all living things are constructed. But what is the structure of a cell? Students explore the basic structure of plant and animal cells, and consider the highly specialised structures that allow single-celled organisms to carry out all of the functions of life. The ways in which many cells are structured and specialised to work together as tissues, organs and body systems is explored, and students prepare an interactive presentation on one of the systems of the body, to create a “walk through” model/presentation of the human body.

### Magnificent Moreton Bay (Marine Science)

Year 10 Marine Biology is a practical Science subject that investigates a range of marine environments and explore the importance of protecting these environments. The subject will focus on a local marine environment and cover topics such as Marine Biology, environmental management, ocean issues and resource management.

### Positive Thinking (RE and Science)

Ideally, we would all like to lead happy, healthy, meaningful lives. We would like to experience positive wellbeing. In our high pressured, high tech, wealth oriented developed world, wellbeing is being challenged. What is wellbeing and what contributes to it? We will explore the nature of wellbeing and happiness and seek to discover if there are techniques and skills that can help us to lead happier lives and strengthen our wellbeing through learning the elements of the Positive Psychology.

## HUMANITIES AND COMMERCE

### The Humans of War (Modern History)

An investigation into the human stories of World War II. Through research and film, we will explore the rise of Hitler and the Nazi Party, the devastating effects of the Holocaust, the Kokoda campaign, weaponry and technology advances and post-war popular culture, with a particular focus on the impact on the people involved.

## Climate Change (Geography)

In Climate Change, students will investigate how the World is changing, with a focus on how it is affecting people. This will be done by looking at the causes of Climate Change, the natural and human impacts and ways to help make the world a better place.

## Beyond Reasonable Doubt (Legal Studies)

Beyond Reasonable Doubt is an introduction to the Australian legal system, where students will work as a team of detectives in uncovering information about Australia's basic law principles, systems of government and crime. Students will be exposed to case studies and real-life scenarios exploring criminal activity in both an Australian and international context, and prepare responses in a project based inquiry into Cold Cases and other unsolved mysteries over time. Students will finish this course with an understanding of foundational legal concepts as well as skills in the importance of sustaining a cohesive society.

## How to Build a Business (Business)

This course explores the factors that determine how a business markets itself. This will be applied to a case study and suitable marketing strategies will be developed.

Ever wondered why our governments and large organisations choose to undertake the projects they do? Explore what makes our country tick and the events we undertake to ensure we remain a competitive market.

## Modern Day Slavery (Modern History/RE)

Students will examine the complex issue of modern day slavery. They will delve into the history of the Atlantic Slave Trade by studying key characters who worked to abolish the slave trade in 1807. The song 'Amazing Grace' is one of the most recognisable songs in the English-speaking world - students will learn about the message of forgiveness and redemption that the song speaks of after the author himself had deserted the slave trade. Modern Day Slavery is an issue which takes many forms. Students will be invited to learn about the issue in depth and create their own awareness campaign.

## TECHNOLOGIES

### Designing and Prototyping (Design and Graphics)

Students will explore a design problem to identify needs and wants, research existing designs and devise ideas in response to the design problem. Students will then choose an idea to refine and will create a low-fidelity prototype using CAD software. After evaluating the low-fidelity prototype students will produce a final design using the prototyping equipment in the specialised Prototyping Workshop.

### Pool Side Furniture (Furnishings)

In this elective students investigate and design suitable furniture for domestic pools. They machine and assemble components and spray finish to complement existing furnishings.

### Generate a Web Application (Digital Solutions and ICT)

Students will be introduced to HTML, CSS, PHP and SQL coding languages. Students will analyse a problem to determine user requirements, and will generate a web application that uses real world data to solve the problem.



## CREATIVE AND SUSTAINABLE FASHION (Fashion)

In this course students will learn to sew with stretch fabrics to design, produce & evaluate an item of clothing with a unique printed design using our new 'Cricut' technology. In the second half of the Semester we will design, produce & evaluate an upcycled homeware. A design folio will be submitted with both projects.

## STUDENT CAFE "FALCON'S LANE" (Hospitality)

This is an introduction to the Hospitality industry and workplace. Learn how to plan & prepare for a variety of functions and events in our new student Cafe. This will involve both front & back of house operations in weekly lunch time openings. Practical work on food and beverage will have a strong focus in this unit. Volleyball. Through skill development, video analysis, peer feedback, self-reflection and game evaluations, students improve towards excellence in their chosen sport.

## LANGUAGES Let's go Japan (Japanese)

This semester is a study of language exploration, vocabulary expansion and experimentation with different modes of communication; for example digital media, collaborative performance and group discussions. Learners become more confident in communicating in a wider range of contexts through language structures and vocabulary. They use Japanese to communicate and interact, to access and exchange information, to express feelings and opinions, to participate in imaginative and creative experiences, and to create, interpret and analyse a wider range of texts and experiences. Learners interact with peers, the teacher and other Japanese speakers in immediate and local contexts, and with wider communities and cultural resources. They may access additional cultural experiences through events such as school exchanges, festivals, inter-school events or cultural performances.

## HEALTH AND PHYSICAL EDUCATION

### Peak Performance (Physical Education/Fitness)

Students will engage in a variety of theoretical and practical tasks that broadens their understanding of biomechanics, energy systems, anatomy and physiology. This subject is highly recommended for any students looking at Senior PE and/or Certificate III in Fitness in Years 11 and 12.

### Our Sporting Community (Sport and Recreation)

Students have the opportunity to participate and engage in a range of sporting activities whilst learning about community-based sporting elements including coaching, tournament development, and officiating. This will culminate in authentic real-world experiences whereby students become actively involved in coaching teams and facilitating competitions within the FLCR community.

## CREATIVE INDUSTRIES

### Pop Art (Visual art)

Creating exciting works inspired by popular culture such as films, objects and people. Use a variety of two dimensional and three dimensional art media. Explore photoshop to create designs.

## CAN MUSIC CHANGE THE WORLD? (Music)

In this course, students will delve into the world of Protest Music and investigate the inquiry question 'Can Music change the world?' Students will develop their performance, composition and analysis skills as they study a wide range of repertoire that changed the world.



## DRAMA AND MEDIA

(Drama)

This semester explores a combination of theatrical performance and film making to encounter the raw experience of what people are like. We will explore human nature as we create short films and other performance pieces that draw on themes such as vengeance, social justice, interdependence and fear. By the end of this course, you can expect to have: built up your confidence for communicating, have hands on film making experience, have shown others your solo and group projects and...um... why not...have become a \*Youtube celebrity. Also, in term 3 we will be going to participate in a film making workshop at Movie World and then enjoying the rides at the park. This course is not just for those who see themselves as actors as you elect to prioritise this. The Youtube celebrity component is not guaranteed for all students.

## LEARNING BY INTERNSHIP

Student Driven

This will be a very student driven course. Students will pick three areas of potential employment they are interested in and with the teachers guidance arrange opportunities to engage with or experience those chosen areas. Students will reflect on their experiences as they complete a journal through the semester. All students will be required to apply and interview for this course.

## World Religion

(Religion and Ethics)

\*Compulsory Subject

Australia's multicultural diversity presents us with the reality of living in close community with those of different religious faiths and understandings. Many of our Lutheran schools are communities in which a number of school families are practicing members of religions other than Christianity. We are thankful to live in a country where there is considerable religious freedom and tolerance and it is important for us to gain a measure of knowledge and understanding about other religious groups within our community.

## VOCATIONAL EDUCATION

TAFE at School

TAFE and other providers run a series of Certificates that are free of charge under the government supported VETIS funding (this is for Certificate II qualifications only). These are often full year courses. Please see Julene Lander to discuss enrolment during Year 10. This is off campus learning.

Health Hub

(Certificate II in Health Services)

Students undertake study in the onsite Health Hub. The Certificate II is undertaken in Year 10 and is designed to lead into a Certificate III in Individual Support Services. This course is a full year course and must be taken for the whole of Year 10.

# ENGLISH and MATHEMATICS

In Year 10 the College offers the subjects of Mathematics and English as part of the MyPath program. This means that there are 3 different courses of each subject area that Year 10 students could engage with in 2022 (one Level 2 course and two Level 3 courses). To support families and students making a table has been prepared explaining each level.

Subject / Level	Course Content	Senior Subject it Leads to	Potential Post Schooling Pathways
Maths Level 2 -Essential Preparation	Focuses on consolidating the key aspects of the Mathematics Australian Curriculum	• Essential Mathematics	• Vocational pathways or tertiary study that does not require any maths
Maths Level 3 – General Mathematics Preparation	Consolidates key aspects of Australian Curriculum as well as exposing students to the familiar algebraic process and some of the more complex concepts	• Essential Mathematics • General Mathematics	• Vocational Pathways that require a higher level of maths • Any tertiary course at University that requires maths and has it as a prerequisite.
Maths Level 3 – Methods and Specialist Preparation	Has a heavy focus on Algebraic processes and complex calculations. Exposes students to basic calculus.	• Mathematical Methods • Specialist Mathematics	• University courses that require a high level skill in maths. Examples include Engineering, Medicine, Biochemistry etc
English Level 2 – Essential Preparation	Students will explore their place in the school reviewing texts and linking to their lives as members of community.	• Essential English	• All Vocational Pathways
English Level 3 – General Preparation	They will look at representations in texts whilst understanding voices in texts such as silenced/ marginalized and stereotypes.	• General English	• Some Vocational pathways and nearly all University courses.
English Level 3 – General and Literature Preparation	Students will analyse biases in texts. Looking at Intended readings/alternate readings/ resistant readings. They will use of different text forms developing critical thinking and questioning skills.	• General English • English Literature	• Students wishing to potentially study higher level literacy courses such as journalism, history, literature, law etc.

- As a general rule of thumb if students have achieved a C in a particular level of Mathematics or English in Year 9 then they should be able to cope with the next level up. You can view which level has been completed in 2020 by looking at your students report from Semester One or their results currently on Student Cafe.
- If they received below a C or felt they struggled in a certain level of Mathematics or English in Year 9 then it is recommended they complete that level again to consolidate what they know.
- Students can reassess and move levels at any time of the course.



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