

St Patrick's College Gympie

Elective Course Guide for Year 10 2023



Fostering talent
Providing challenge
Pursuing wisdom

Welcome to Year 10 2023

Dear Students,

Welcome to Year 10. This year, you will be provided with opportunities to prepare for the challenges of Senior School through participation in subjects that develop skills designed to enable you to succeed as independent, self-directed and motivated learners. As Year 10 represents a critical transition stage between the Junior School and Senior phase of learning, you will be challenged to begin making choices about your future pathway options and determine where your personal strengths, gifts and talents best sit.

While you should be aware of what you might need for future study and employment, it is important that you choose subjects which interest you and which you enjoy. In all these subjects, you will be challenged to develop skills in working with people, in making decisions, in assessing information critically, and in presenting your work. These will be important in the future. Make the most of this time: be aware of your learning and take control of it.

Please read this information booklet carefully so that you can make wise choices. Discuss these with your parents and teachers.

Take every opportunity to “Let your light shine” so that this year will be fulfilling and interesting. At this stage of your learning ‘how’ you study is more important than ‘what’ you study. They are important formative years as you establish learning patterns that will stay with you for a very long time.

Mr Mark Newton
Principal

St Patrick's College Mission Statement

St Patrick's College aspires to be based on Gospel values of love, forgiveness, care, respect, sensitivity and justice.

We strive to:

- witness to belief in God and the Christian way of life in our dealings with each other and the wider community,
- foster and celebrate the talents and potential of each member of our school community,
- promote intellectual, spiritual, emotional, social and physical development to the full, and
- foster a deepening personal commitment to God.

The College badge and motto were designed to encompass the aims and ideals of Catholic Education in St Patrick's Parish, Gympie.



Let Your Light Shine

Fostering talent, Providing challenge, Pursuing wisdom

We aim to develop the talents, skills and attributes of our students. However, it is important that they are challenged to further develop these themselves. The overall goal of education is for the students to become wise. This is a life-long process and the College endeavours to assist them in this journey.

A Guide to Subject Selection

In 2023, you will be studying the following core subjects:

- Religious Education
- English
- Mathematics
- Science
- History
- Health & Physical Education
- Life Skills
- Certificate I Workplace Skills

You will also study three elective subjects each semester. Many of the elective subjects will focus on preparing you for senior school. If you think you will wish to study that subject in Years 11 and 12, it would be beneficial to choose this elective in Year 10. Note that it is not a prerequisite: many students have successfully chosen to do Senior subjects without studying the corresponding Year 10 elective.

Elective subjects:

Technology & Design:

- Engineering
- Materials (Woodwork)
- Industrial Technology Skills and Design
- Food Specialisation
- Food Production
- Digital Technologies
- STEM

The Arts:

- Art
- Drama
- Music
- Media Art

Physical Education:

- Health and Movement
- Physical Education Extension

English and Humanities

- English Extension
- Geography Extension
- Economics and Business
- Modern History
- Ancient History
- Civics and Citizenship

Mathematics and Science Electives

- Biology
- Psychology
- Physics
- Chemistry
- Specialist Maths

You are advised to choose subjects which:

- you enjoy
- will help you reach your chosen course and career goals, or at least keep many careers open to you, and
- will develop skills, knowledge, and attitudes useful throughout your life.

It is helpful to have some ideas about possible career choices at this stage, even though you may change plans or review decisions. During these years, the College Counsellor and Pathways Leader may be able to help you get started by giving you some suggestions on how to investigate jobs and how to approach career decision making. The following resources are available and give information on subjects, courses and careers:

- *Queensland Job Guide* and other careers information
- *Job and Course Explorer (JAC)* computer program
- *QTAC website (MyPath and Course Guide)*

All Year 10 students will study a Certificate I in Workplace Skills. The completion of this course contributes towards the Queensland Certificate of Education (QCE).

Progressing towards Years 11 and 12, you will decide whether you wish to be eligible for an ATAR. You will choose this if you do well at many of the more 'academic' subjects and are considering attending university. You will probably choose more vocational subjects if you are much more engaged in practical subjects and hope to go to TAFE or find a job/apprenticeship immediately after Year 12.

If you need help or clarification, please ask. Talk to your parents, teachers, the Deputy Principal, Senior Curriculum Middle Leader, Pathways Middle Leader or the College Counsellor.

Design and Technology Subjects

Engineering

The Engineering subject is tailored for students interested in learning more about metal work skills. Students learn a vast array of sheet metal techniques and steel fabricating skills. This is all done while using supplied hand tools, materials, and industry standard machinery.

Students begin by learning about the fundamentals of machinery safety, safe operating procedures, hand tool safety expectations, and first aid skills. Students are taught how to correctly read industry standard technical drawings and implement basics maths skills to identify values not always specified.

The skills developed throughout this course will prepare students looking to complete VET courses throughout Years 11 and 12. Both Engineering and the Material & Technology course also cater for students looking to pursue trade qualifications once their schooling has been completed.

Materials (Woodwork)

Students looking to study Materials can expect to learn multiple timber joinery skills, finishing techniques, correct use of hand tools along with basic machinery operation. In both subject, students are taught how to correctly read industry standard technical drawings and implement basics maths skills to identify values not always specified.

As with Engineering, students begin by learning about the fundamentals of machinery safety, safe operating procedures, hand tool safety expectations, and first aid skills. Students are taught how to correctly read industry standard technical drawings and implement basics maths skills to identify values not always specified.

Both Engineering and the Material & Technology course also cater for students looking to pursue trade qualifications once their schooling has been completed.

Industrial Technology Skills and Design

In Year 10, students have the opportunity to study elements of both Graphics and Design in the one subject. Therefore, students can get a taste of both subjects prior to making decisions regarding their senior subject selection. Throughout this course, students will learn a variety of sketching skills, more in-depth use of industry standard CAD programs, how to read and analyse engineering drawings, along with the complex process of design. This subject will also give students the opportunity to practice the fundamental skill of generating new ideas in response to a design problem.

Food Specialisation

In this subject, students use the design process to create brunch recipes. A large focus of this unit is skill development so students are prepared for senior class options.

As this subject is predominantly a practical based subject, it is essential that students follow all the required Workplace Health and Safety requirements including wearing formal leather shoes. Please note that soft leather shoes will not be acceptable.

This subject is beneficial for the following Senior Subjects offered at St Patrick's:

- Certificate II Hospitality/Certificate III Tourism
- Certificate III Business
- Hospitality in Practice
- Agriculture in Practice
- Design

Food Production

In this subject, students investigate the Design process in the context of Food Production. The classes are predominantly practically based, and are aimed at developing a food product. Students will learn about various Agricultural processes and how they are applied and evaluated.

Examples of Lessons include:

- The principles of Regenerative Farming
- Sustainable and ethical food production
- The Science behind soil health
- Producing products to feed our soil
- Tools used for large scale market gardening
- Seasonal menu planning and cooking

As this subject is predominantly practical based, it is essential that students follow all the required Workplace Health and Safety requirements including wearing formal leather shoes and a hat when outdoors. Please note that soft leather shoes will not be acceptable. This subject is beneficial for the following senior subjects offered at St Patrick's:

- Agricultural Practices
- Certificate II Hospitality/Certificate III Tourism
- Hospitality Practices
- Design

Digital Technologies

Students will have the opportunity to learn a variety of new skills to use with their computers and in common software applications. Students will work through the design process to investigate, develop and create digital solutions & products. There will be project based design challenges that allow for innovative and creative solutions for real world problems.

Project management skills are an essential part of successfully developing products. Students will learn to plan their time, materials and resources during the design and then creation of their ideas. This subject also provides students with the opportunity to build on and further develop their technological literacy through the use of programming & scripting languages, computer software packages and new technology hardware. Throughout the course students will learn both graphical and written communication skills in the completion of their design folios.

The Arts

Art

Students will build on their awareness of how and why artists, craftspeople and designers realise their ideas through different visual representations, practices, processes and viewpoints. They will have the opportunity to refine their personal aesthetic through working and responding perceptively and conceptually as an artist, craftsperson, designer or audience.

In class tasks students will be invited to use appropriate visual language to explain how artists and audiences interpret artworks through explorations of different viewpoints. Students will also research and analyse the characteristics, qualities, properties and constraints of materials, technologies and processes across a range of forms, styles, practices and viewpoints.

Possible tasks students will engage in for assessment:

- Still-Life drawing Folio
- Clay sculpture
- Painting
- Analytical Essay
- Visual Journal
- Artist Statement

Drama

In Drama, students explore, depict and celebrate human experience by imagining and representing other people through live enactment. Drama is a collaborative art, combining physical, verbal, visual and aural dimensions. In Drama students experience theatre and develop an understanding of the performer/audience relationship.

Some of the units students will engage in are:

Realism, Process Drama, Greek Theatre, Magical Realism, Physical Theatre

Students develop and sustain different roles and characters for given circumstances and intentions. They perform devised and scripted drama in different forms, styles and performance spaces. They collaborate with others to plan, direct, produce, rehearse and refine performances. They select and use the elements of drama, narrative and structure in directing and acting to engage audiences. They refine performance and expressive skills in voice and movement to convey dramatic action.

Drama is very practical with a written component and is designed to allow specialisation in the areas of dramatic action, developing scripts while learning about different styles and techniques while investigating actions, reactions and consequences. Drama helps develop communication, interpersonal and leaderships skills as well as self-esteem, confidence and discipline. This subject offers unique forms of self-expression and artistic freedom to extend your range of thinking skills while providing Creative Industry pathways.

Music

Students investigate the evolving history and impact of culture on a variety musical styles. They will participate in activities such as aural perception, expand their current knowledge of notation and rhythm, and take part in composition and performance. Students will then have opportunities to put these skills into practice through involvement in public performances, both at school and in the wider community. Therefore, there may be times during or after school hours when students will be invited to perform. Students who cannot perform outside school hours will not be disadvantaged.

Students are encouraged to develop their own style, while being exposed to various popular styles in history. They have opportunities to work as part of a group and as an individual performer.

Assessment is of a practical, compositional and theoretical nature and students are assessed mostly on an individual basis, with minimal group-work criteria. Digital resources will be explored as a means of composing where students will have the opportunity to layer tracks and mix audio with visual.

Media Art

Media Arts in Year 10 provides an insight into the theory, art and production processes of advertising, television and film. Students will design and create media for a range of community and institutional contexts and will consider social issues and audience expectations and beliefs. They will learn to use film and photographic media production processes to design, communicate and distribute media artworks to a range of audiences.

English and Humanities Electives

English Extension

This course is for both confident writers and any students who want to become more confident with both creative and analytical writing. The format of this course is more designed to be like a writer's workshop where students are exposed to writing prompts, poems, quotes, images, or scenes from films and invited to respond in different ways using a variety of writing techniques.

Examples of writing activities that can contribute to the student's semester portfolio include:

- Short fiction / Postcard fiction (50-word stories, 250-word stories)
- Planning and writing a narrative in response to art or photography
- An internal monologue or filling a gap or silence from within a story of choice
- The first page of a larger narrative (a novel)
- Analysis of a poem or section of a larger work

Geography Extension

Geography is a structured way of exploring, analysing and explaining the characteristics of the places that make up our world, through perspectives based on the concepts of place, space and environment.

A study of geography develops students' curiosity and wonder about the diversity of the world's places and their peoples, cultures and environments. Students examine why places have their particular environmental and human characteristics, explore the similarities and differences between them, investigate their significance and meanings to people, explain how they change over time, and evaluate their futures.

Economics and Business

In this subject, students have the opportunity to deepen their understanding of how society allocates limited resources to satisfy societal needs and wants. Students also explore how we participate in the economy as consumers, workers and producers. Students will develop and understanding of key aspects of entrepreneurship: identifying market opportunities, evaluating financial risk, gaining a competitive advantage, and analysing business strategies.

Modern History - Extension

This subject provides students with an opportunity to preview aspects of the Senior History syllabi. Topics covered will develop skills and interest in a range of Modern, themes and events that support the understanding of topics in the Senior Modern History course. The skills and concepts will be drawn from a selection of the ACARA National Curriculum which align with the Senior General (ATAR) subject.

Possible topics that will be explored:

- Communism in China
- Imperialism
- United States international engagement policy

The skills and concepts will be drawn from a selection of the ACARA National Curriculum which align with the Senior General (ATAR) subject. Students will practise the essential skills of attentively reading historical sources and evaluating their validity. They will also have more of an opportunity to practise developing a thesis and writing a research essay – a fundamental skill that is necessary in all Year 11 and 12 subjects.

Ancient History - Extension

In this subject, students are given the opportunity to study life in early civilisations based on the analysis and interpretation of primary and secondary sources. This will deepen students' understanding of and appreciation for the ancient past, their ability to conduct historical inquiry, and their capacity to use important critical thinking skills. This subject builds upon the skills introduced in the Core History subject, deepening students' understanding of key historical concepts and ideas.

This course is comprised of two main areas of focus:

1. The Mesoamerican civilisations of the Aztec, Maya and Inca
2. Polynesia

Studying these ancient civilisations will ignite students' curiosity and imagination, enrich their appreciation of humanity, and become enlightened to the legacies, beliefs and values of the ancient world.

Civics and Citizenship

Civics provides students with an opportunity to develop their understanding of Australia's political and legal systems, including government and the courts, and explore ways we can contribute to creating positive change in our society. Civics can be thought of as an introduction to Senior Legal Studies.

This course is comprised of two main topics:

1. Government and Active Citizenship
2. Australia's Legal System

In Topic 1, students consider which influences shape Australian politics and explore how citizens can participate in our interconnected world. Students work in groups to run an election campaign, developing a party platform, three policies, and campaign advertising materials, ultimately leading to an in-class election.

In Topic 2, students consider the reasons for which we have laws, the history of law-making, and how laws are made and upheld in Australia. Students learn about how Australia's court system works in supporting our democratic and just society, while also engaging in debates, participating in mock trials, and exploring case studies.

Mathematics and Science Electives

Biology

Biological Science is the study of life, a broad field covering five key concepts - the structure and function of living organisms, interactions between organisms, homeostasis, genetics and evolution. The Year 10 Biology elective aims to provide students with a broad overview of these concepts, while developing the skills required for senior biology and/or a biology-related career.

In Term 1, students learn about the six kingdoms of life and how they interact. Understanding is developed through a combination of theory, hands-on activities, and experimental investigations. Fundamental biological science skills, such as microscopy, dissection, research and data analysis, will be developed.

Term 2 is project based, with students working in groups on a student experiment selected from the Term 1 content. This project allows students to delve deeper into an area of interest, while developing the research, investigation, data analysis and reporting skills required in the senior sciences.

Chemistry

People are born with a natural curiosity about the world; a world of vivid colours, of simple and complex objects, things that move and things that don't. Often that curiosity grows into a desire to know and understand how things work. Chemistry is one branch of knowledge that grew from human curiosity about the world. It is the study of the composition of matter and the changes that matter undergoes.

This elective course offered in Year 10 will provide students with the opportunity to build a strong foundation for senior sciences by developing science process skills and improving higher-order thinking skills. This will be achieved through a variety of teaching methods including: laboratory activities which provide hands-on experience and the use of Probeware, calculators and computers. The emphasis in the classroom will be working collaboratively to inquire, discover and investigate.

Chemistry is a fascinating, dynamic and exciting area of study.

Physics

Karl Kruszelnicki – known as Dr Karl, says “Do Physics first”

Physics is the most fundamental of sciences. It is the scientific study of matter and energy and how they interact with each other. This energy can take the form of motion, light, electricity, radiation, gravity...just about anything. Physics deals with matter on scales ranging from sub-atomic particles to stars and even galaxies.

The Year 10 Physics elective course is an opportunity to develop a depth of understanding of fundamental concepts, explanations and theories of matter and energy. The intention of this elective is to provide a smooth transition into any of the senior sciences. A variety of teaching strategies will be used to meet the need of all students and will include hands-on activities and appropriate technology such as temperature probes, light meters, PV cells, solar cars and rangers. These probes allow students to perform new experiments with measurement not previously obtainable in the classroom. Students will learn through inquiry.

Psychology

Students begin by learning about the origins of Psychology as a science, and the many ways in which Psychological research informs real-world contexts such as work and leisure.

In the first term of this subject, students do an in-depth study on theories of well-being and the psychological and physical impact of stress in human life. Students learn how research in Psychology can inform our understandings of stress and anxiety, and how this knowledge can be applied to manage stress in our daily lives.

Other potential topics that are explored in this course may include Psychology in sport, the impact and treatment of psychological trauma, emotional intelligence and theories of personality.

Throughout this course students are introduced to statistical analysis and the conventions of scientific investigation. Furthermore, the research and writing involved in this course is valuable preparation for the internal assessment tasks that are undertaken in the Senior Sciences.

Specialist Mathematics

This course is for students who want to enrich and extend their mathematical study whilst completing the common Year 10 curriculum. It is recommended for students who intend to study one of higher mathematics in Senior (Methods or Specialist).

Health and Physical Education Electives

Health and Movement (Fitness Studies)

Students will engage in a variety of learning experiences that will develop their coaching knowledge and skills as well as their knowledge of anatomy, physiology, and fitness. These learning experiences will involve a combination of theory and practical classes where students will develop their fundamental coaching skills and apply them to a specific sport. Students will also extend their awareness of fitness through experiencing different types and methods of training which, will enable them to help create a program for an athlete.

Note:

Students are required to wear their sports uniform and to implement Workplace Health and Safety requirements as well as Sun Safety requirements for their practical lessons.

Physical Education - Extension

Students will engage in a variety of units aimed at preparing them for the rigors of ATAR Physical Education. Through the use of Sports Science techniques, the course will be focused on the analytical elements of PE through a practical learning environment. Students can expect to focus on units that will explore tactical awareness and motor learning and sports first aid. Assessments will be based on the style and requirements of ATAR PE with a strong focus on practical and skills such as data collection, sports analysis, tactical awareness and filming practical performances.

This course has a practical component and as such will require students to be prepared to actively participate in both theory and practical classes.

Assessment

- Multimodal Presentation
- Exam