



ST TERESA'S  
CATHOLIC COLLEGE

*inspiring a life-long  
love of learning*

2023  
Year 10

## SUBJECT SELECTION HANDBOOK



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# Introduction

St Teresa's Catholic College is committed to creating a dynamic and supportive learning environment where students are provided with opportunities to realise their potential and pursue their aspirations.

Students in Year 10 are prepared for the challenges of Senior School through participation in subjects and courses that develop skill sets designed to set them up to succeed as independent, self-directed and motivated learners who are able to engage collaboratively with their peers to produce meaningful and relevant products of their learning.

As Year 10 represents a critical transition into the Senior Phase of Learning, students will be challenged to begin making choices about their future pathway options and determine where their personal strengths, gifts and talents best sit within the framework of a plan for their post-Year 10 education.

This handbook is designed to assist Year 9 students to make decisions about elective courses of study for Year 10. It contains relevant information pertaining to curriculum structures and courses that will be offered in 2023.

## Curriculum Structures

***In Year 10 all students will study a total of eight (8) courses each semester (6 core+ 2 elective).***

The structure of the curriculum offerings for Year 10 for 2023 will be as follows:

### **Full Year Core Courses (Studied for two full semesters by all students)**

Students will study 6 compulsory 'core' courses in Year 10 for a full year.

- English
- Religious Education
- Mathematics (Students will need to select either 10A or 10 Mathematics)
- Science
- PE
- Humanities (History and Geography)

These courses will all be delivered within the guidelines of the ACARA National Curriculum and Brisbane Catholic Education syllabus documents.

### **Elective Courses**

In 2023 the Year 10 Elective Course Program will be represented by thirteen (13) 'full year' courses. Students will select two (2) preferred electives and one (1) reserve elective choice.

The offering of a range of 'full year' courses in Year 10 provides students with improved opportunities for comprehensive preparation within subject areas that require significant development of highly specialized discipline sets for success in continuing study in Year 11 and 12.



## 10 Mathematics: Methods, General or Essential

In Year 10 students have the option to select between **Mathematical Methods**, **General Mathematics** and **Year 10 Essential Mathematics** courses. Each subject accesses the Year 10 Curriculum within the guidelines of ACARA, but focus time and rigor according to the demands of the corresponding Senior Mathematics Syllabus. The 10 Methods content is intended for students who require more content to enrich their mathematical study drawn from the 10A curriculum while completing the common Year 10 content. It is **highly recommended** that students intending to study Mathematical Methods in Year 11 and 12 complete the topics from the **Year 10 Mathematical Methods course**. Similarly, students intending to study General Mathematics in Year 11 and 12 are recommended to study at a minimum **General Mathematics** in Year 10.

In **Mathematical Methods (Year 11 & 12)**, there is a strong emphasis on mutually reinforcing proficiencies in Understanding, Fluency, Problem Solving and Reasoning. Students gain fluency in a variety of mathematical and statistical skills, including algebraic manipulations, constructing and interpreting graphs, calculating derivatives and integrals, applying probabilistic models, estimating probabilities and parameters from data, and using appropriate technologies. Achieving fluency in skills such as these allows students to concentrate on more complex aspects of problem solving.

### Students intending to select the Year 10 Mathematical Methods course should

- demonstrate mathematical rigor and a positive work ethic;
- achieve no less than a B+ for Semester 2 of Year 9; and
- by the end of term 3, be working on **level 8** or more on Maths Pathway.

**General Mathematics (Year 11 & 12)** is designed for students who want to extend their mathematical skills beyond Year 10 but whose future studies or employment pathways do not require calculus. It incorporates a practical approach that equips learners for their needs as future citizens. Students will learn to ask appropriate questions, map out pathways, reason about complex solutions, set up models and communicate in different forms. They will experience the relevance of mathematics to their daily lives, communities and cultural backgrounds. They will develop the ability to understand, analyse and take action regarding social issues in their world.

### Students intending to select the Year 10 General Mathematics course should

- demonstrate a positive work ethic;
- achieve no less than a C for Semester 2 of Year 9; and
- by the end of term 3, be working on **level 6.5** or more on Maths Pathway.

Students studying **Essential Mathematics (Year 11 & 12)** will develop skills that go beyond the traditional ideas of numeracy. This is achieved through a greater emphasis on Estimation, Problem Solving and Reasoning, which develops students into thinking citizens who interpret and use mathematics to make informed predictions and decisions about personal and financial priorities. Students will see mathematics as applicable to their employability and lifestyles and develop leadership skills through self-direction and productive engagement in their learning. They will show curiosity and imagination and appreciate the benefits of technology. Students will gain an appreciation that there is rarely one way of doing things and that real-world mathematics requires adaptability and flexibility.

Students selecting **Year 10 Essential Mathematics** will be studying content that best prepares them for Essential Mathematics in their senior schooling.

More information on the different Senior Mathematics courses can be found here:

[Mathematics senior subjects](#)

## Choosing Elective Subjects

Students are encouraged to keep their options open and experience a range of subjects to ensure that the important choices that are made for Years 11 and 12 are based not only on a chosen career path but a broader understanding of the curriculum offered.

Before making any decisions regarding the choice of Elective Subjects, please carefully consider the information that is presented in this Handbook. More specific information is available from the respective Curriculum Leader and subject teachers.

It is recommended that students select subjects **that they enjoy and in which they have a genuine interest**. Students should also consider subjects that they might wish to study in Years 11 and 12.

## The Subject Selection Process

Students are required to choose three (3) preferences for their Elective Subjects for 2023. This is made up of two (2) preferred courses and one (1) reserve choice.

**Every effort is made to accommodate students' subject choices; however, some subject combinations may not be possible. It is for this reason that we ask students to nominate one extra choice as a reserve.**

Although all subjects are offered, on occasions there may not be viable numbers for a class (or a second class) to run within the timetable structure of the College. In such instances, we will refer to students' 3rd preference – as such, it is important to only choose subjects as preferences which you wish to be considered for.

***Which Year 10 elective course pathway will best set you up for success in Year 11 and 12?***

## Elective Subjects Offered in 2023

### Arts in Practice (Drama/Media/Dance)

The interdisciplinary nature of the arts is now a prevalent characteristic of contemporary arts practice. This course provides for active and innovative, project-based learning across the arts (drama, dance and media). Our STCC course focuses on storytelling through traditional and alternate media platforms. Students will engage in filmmaking and acting for screen, music video design and production, as well as incorporate special interests and/or existing skills through an independent project.

Students explore the core of arts literacies, applying processes and techniques, analysing and creating artworks, and investigating artists' purposes and audience interpretations.

This course is an ideal pathway into:

- Arts In Practice (Senior subject) • Senior Drama • Senior Dance • Senior Film & TV

### Business Studies

As mass global flows of people, resources, finances, and information produce social, economic, political and environmental complexities and challenges, Australia needs enterprising individuals who can make informed decisions and actively participate in society and the economy as individuals and more broadly as global citizens.

By the end of this Year 10 course, students will:

- Analyse factors that influence major consumer and financial decisions and explain the short- and long-term effects of these decisions.
- Explain how businesses respond to changing economic conditions and improve productivity.

- Evaluate the effect of organisational and workforce management on business performance.
- Explain economic performance indicators and relate their understanding to Australia's performance,
- Explain the ways that governments manage the economy to improve economic performance and living standards,
- Explain reasons for links that exist between economic performance and living standard, the variations that exist within and between economies, and the possible causes.

In Semester 1 students will participate in the ASX Schools Sharemarket Game where they will manage their own portfolio including buying and selling shares and collecting dividends.

In Semester 2 There will be a focus on sustainable and ethical business practices throughout the course, with real world examples, case studies and practical activities. Time permitting students will have the opportunity participate in the planning, production and marketing of a sustainable product of their choice.

### **Civics and Citizenship: Crime and Justice**

In this full year elective course students will begin to investigate issues affecting our society and learn how the law interacts in our everyday lives. Students will cover a range of topics including:

- Legal Foundations – The basics of our legal system
- Criminal Law – Court procedures and police investigations
- Youth Justice – Understanding the issues affecting young people and the law
- Human Rights and International Law – Australia's role in global affairs

The primary skills of inquiry, critical thinking, problem-solving and reasoning empower Civics students to make informed and ethical decisions and recommendations. Learning is based on an inquiry approach that develops reflection and awareness. Through inquiry, students identify and describe legal issues, explore information and data, analyse, evaluate and make decisions helping them to become informed citizens able to contribute meaningfully to our society.

This course is a foundation course for Year 11 and 12 subject Legal Studies (ATAR General)

### **Dance**

The Year 10 Dance course is suitable for students who either a) study studio dance outside of school and are keen to be developed as 'thinking' dancers, or b) students who have not previously studied dance technique but are keen to develop technique and whole-body awareness. It provides a solid foundation of skill development in Making and Responding, involving the three strands of Senior Dance – choreography, performance and appreciation. This year-long course focuses on developing dance technique in the styles of hip-hop, jazz, commercial jazz, contemporary, and lyrical dance, with students learning and performing recognisable routines and new repertoire in a variety of styles. The course also develops skill in critical appraisal and understanding of the historical context as students learn to appreciate choreographic intent, the origins of style and form, exploring various approaches to choreographing dance and manipulating sequences. Learning experiences include excursions to and analysis of live professional dance performances and the course culminates in performance for an audience.

The course is intended as a solid foundation for Year 11 and 12 subjects:

- Senior Dance
- Arts in Practice

### **Design Food**

In this full year elective program, students will explore;

- Catering for dietary requirements
- Sustainable practices in food production
- Food Science
- Product development

Students will build on skills and knowledge developed in Year 9 Food Technology as they learn new

techniques and concepts and apply them with the design process to create solutions to real world problems.

Course work will include research, experimentation and trialing of concepts and products, sensory profiling and product development.

The course is a foundation for Year 11 and 12 subject options:

- Food and Nutrition (ATAR General)
- Certificate II in Hospitality SIT20316 (VET)

## Design Graphics

In this exciting full year elective, students will explore a range of skills including:

- Drawing techniques & basic hand drawing skills,
- Digital technologies & design software programs,
- CAD programs, including Corel, Inventor and REVIT
- 3D printing, LASER cutting and prototype modelling,
- Architectural & Built Environment design and modelling
- Opportunities to create design solutions.

Students will build on skills and knowledge developed in Year 9 Graphics for Design as they learn new professional software suites and apply a design process to create solutions using the techniques and technologies available for rapid prototyping.

Developing design solutions will involve research, ideation, compilation and presentation. While exploring design options students will also develop further awareness of the impact of modern technologies on humanity and the environment.

The course is intended as a solid foundation for Year 11 and 12 subjects:

- Design (ATAR General)
- Industrial Graphic Arts
- Certificate I in Construction CPC10120

## Design Textiles

In this innovative full year elective, students will explore a range of skills including:

- Sewing techniques & basic hand sewing skills,
- Study of fibres and fabrics,
- Sewing technologies & design options,
- Commercial sewing,
- Environmental impacts and sustainability aspects,
- Opportunities to create design solutions.

Students will build on skills and knowledge developed in Year 9 Textiles as they learn advanced techniques and apply a design process to create solutions using the techniques and technologies available for fashion development. Developing design solutions will involve research, ideation, compilation and presentation. While exploring design options students will also develop further awareness of the impact of modern technologies on humanity and the environment.

The course is intended as a solid foundation for Year 11 and 12 subjects:

- Design (ATAR General)
- Certificate II Fashion Design at TAFE

## Digital Systems and Technology

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

Students engage in problem-based learning that enables them to explore and develop ideas, generate digital solutions, and evaluate impacts, components and solutions. They understand that solutions enhance their world and benefit society. To generate digital solutions, students analyse problems and apply computational, design and systems thinking processes. Students understand that progress in the development of digital solutions is driven by people and their needs.

Students develop skills in creating code using CircuitPython, HTML/CSS, and Javascript that have real-world applications. Students will create user-interfaces and games, and program microcontrollers (Circuit Playground Express). They will use sensors to collect, analyse the information and display results.

The course is a foundation for Year 11 and 12 subject options:

- Digital Solutions (ATAR General)
- Certificate III in Information Technology ICT30120

## Drama

Year 10 Drama provides an energetic and enjoyable foundation in confident live communication. Students develop stage and onscreen presence and learn to shape and present ideas creatively to communicate to an audience.

Acting develops a strong, engaging voice, physicality and stage presence as students refine expressive and performance skills to convey dramatic action, develop and sustain different roles and characters and perform devised and scripted drama in different styles and performance spaces (traditional and contemporary). Directing others onstage builds capacity in analysing and articulating ideas, understanding culture and confidently managing people. For these reasons it is an ideal partner to studies in media arts, English, History, visual and performing arts, journalism and psychology – an empowering foundation for pathways requiring confident live communication onstage and onscreen, people management and creative-analytical problem-solving. In making theatre, students collaborate with others to explore, plan, workshop, direct, produce, rehearse and refine performances, selecting the elements of drama, narrative, structure and style, for meaningfully and entertainingly engaging audiences in ideas. As they devise, interpret, perform and view, examining various eras and cultures, students learn to appreciate different viewpoints. Drama builds empathy, understanding, creativity and confidence.

This course also leads to a Creative Industries pathway - for presenters, actors, directors, educators, journalists and designers. Based in action-learning, students work with complex improvisation and scripted scene-work, exploring traditional and contemporary texts, in sound and movement and technical production, analyse the elements of drama, forms and performance styles and evaluate meaning and aesthetic effect.

The course is a foundation for Year 11 and 12 subject options:

- Senior Drama
- Arts in Practice
- Film, TV and New Media

## French

This course has been designed in line with the Australian National Curriculum and aims to give students the necessary grounding for continuing French in Year 11 and 12 under the new Senior Syllabus. Students will develop cultural and grammatical knowledge and understanding to enable them to become independent linguists and develop the resources and skills to acquire further languages. They will learn the language of French in functional, real-world contexts using role-play to acquire “transactional” language such as eating out and asking for information. In Term Four, students may sit the DELF exam to gain an internationally recognised qualification in French language. Learning experiences will be provided through media presentations, interactive resources, group work/pair work and teacher-led tutorials.



Assessments in Year 10 will reflect the structure and format of the new Senior Syllabus.

### Industry Trades: Trade Training & Manufacturing

This course has been developed to provide opportunities to explore industry skills in basic OH&S, materials, equipment, calculation, design, production and finishing techniques. Students engage in 'real life' workplace expectations and industrial processes. The students will produce personal projects as well as engage in production project tasks within a team framework. This course will essentially offer students an early appreciation of the manufacturing, construction or trade industries.

Sem 1. Basic OH&S, materials, hand equipment, calculation, simple design, production and finishing techniques.

Sem 2. Basic OH&S, materials, power equipment, workshop, calculations, project design, mass production and finishing techniques.

*Please note: this course will be limited to 18 students. Students seeking enrolment may be subject to eligibility criteria and will ideally have an intended future career pathway plan within the building trades industry.*

### Media Arts

Media is our primary source of information and entertainment and is an important channel for education. Media Studies explores numerous forms of moving media – television, film, advertising, music video and new multi-platform trans-media. Students will design, produce and critique media. This course is comprised of two modules. First, students will gain an understanding of how television works to communicate and influence. Students take on the role of employees of a broadcasting network, designing a 7-day broadcasting schedule including students' original concepts for content, news, syndicated TV shows and advertising, while applying broadcasting guidelines. Secondly, students will produce a short film for entry into a film festival. Focusing on documentary format, this unit develops media production skills in cinematography, narrative and script development and directing, while learning the language of film and its role in presenting different points of view. Social values are also examined, along with the importance of connecting with and challenging the expectations of audiences.

The course is a foundation for Year 11 and 12 subject options:

- Film, TV and New Media
- Arts In Practice

### Music

Music has undergone constant change throughout time, yet more rapidly in the 20th and 21st centuries. This year-long course involves skill development in Making and Responding, across the three dimensions of composing, performing and analysing repertoire. By the end of each semester, students will have developed a portfolio of original compositions created for a variety of media and gained performance experience in a live setting.

The course is intended as a solid foundation for Year 11 and 12 subjects:

- Senior Music
- Arts in Practice

### Sports Science

Within this unit, students will explore a range of topics relating to exercise, training and sports performance. Units of work can include

- Fitness - Training principles and methods, program design and application
- Coaching, motor learning, skill acquisition
- Energy systems and physiology

- Strength and conditioning
- Analysing performance with technology (Skills, strategy and physiological demands of various sports).
- Sports psychology and high performance

Students will use equipment such as the College Gymnasium, GPS and heart rate monitors, and video analysis tools. This course will study the theoretical principles of these topics and apply the learned knowledge in a practical sense where appropriate. As such, there is equal emphasis placed on both areas of learning. Students will be provided the opportunity to plan and implement training programs, acquire, enhance and analyse skills across a range of sports and activities. In addition, students will be able to enhance their personal sporting performances and to continue to improve their fitness and skills.

Undertaking Sport Science allows students to determine their suitability for the range of senior subjects offered in Year 11 and 12 in HPE.

It is a recommended foundation subject for the following senior courses.

- Physical Education
- Cert III in Fitness
- Sport and Recreation

### **Visual Arts (Photography and multiple media)**

Year 10 Visual Art involves students manipulating and adapting a wide range of physical materials and technologies, drawing on the world as a source of ideas for expressing and communicating experience.

Focusing on Photography, a range of photographic genres are explored including colour and black & white, composition, landscapes, portraits, motion, special effects and night photography. Students will use the industry-standard Adobe products of Photoshop and Lightroom to refine and enhance images. Local areas will be used for a variety of shooting sessions including beach, forest, industrial and urban settings. Students will also explore the works of photographers and artists from contemporary and past times in order to discover differing viewpoints, learning to “see” like a photographer and developing skills in image capture, editing and analysis.

In this year-long course they will also use a range of other materials to make artworks in two-dimensional (2D), three-dimensional (3D) and four-dimensional (4D) forms, including traditional media (acrylics and watercolours, crayons, charcoal and drawing media, clay construction and decoration, stencils and airbrushing, and print-making), and contemporary media (photographic image transfers and projection, digital image manipulation and installation).

Students will select, manipulate and adapt materials and techniques to support their own conceptual and perceptual understandings, exploring representation, visual conventions and viewpoints in the way an artist communicates the intended meaning of the work. Students’ own work is informed by the study of artworks from a variety of contexts, exploring a diversity of artists, visual imagery, representations, designed objects and environments, and viewpoints and practices. They will learn about and explore traditional, contemporary and evolving visual conventions, such as visual elements, design principles, composition and style.

The course is intended as a solid foundation for Year 11 and 12 subjects:

- Senior Visual Arts
- Cert III in Visual Arts (Photography)
- Arts in Practice