

St Patrick's College Ballarat

Year 9 Subject Information Booklet





ST PATRICK'S COLLEGE BALLARAT

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YEAR 9 SUBJECT SELECTION INFORMATION

The Year 9 program at St Patrick's College consists of core subjects (compulsory for all) and elective subjects.

CORE SUBJECTS (All students)

- Religious Education
- Community Service
- English
- Humanities
- Mathematics (students are assigned to a specific level of Mathematics based on data collected at Year 8)
- Physical Education
- Science

Full descriptions of each of the above core subjects can be found later in this Subject Selection Handbook.

ELECTIVES

Students are required to choose two elective subjects in each semester.

All elective subjects run for one semester only and cannot be repeated, except for Japanese and English Support, which are year-long electives.

It may not always be possible to give each student their preferred elective choices. Student numbers, staffing, timetabling and facilities will all impact on the subjects which will run in 2024. The 2024 Year 9 Subject Selection Guide requires students to choose reserve choices in case a student does not receive their first elective choice.

ENGLISH SUPPORT

English Support is a targeted literacy intervention program for existing English Support students. Students studying this subject cannot choose Japanese as an elective.

Students selecting this subject are required to study it in Semester One and Two and enter it as their first-choice elective in both semesters.

YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 SUBJECT SELECTION PLANNER

SUBJECT	SEMESTER 1	SEMESTER 2
RELIGIOUS EDUCATION (compulsory)	Religious Education	Religious Education
HEALTH & PE (compulsory)	Health & PE	Health & PE
ENGLISH (compulsory)	English	English
MATHEMATICS (compulsory)	Foundation or Pre-General or Pre-Methods	Foundation or Pre-General or Pre-Methods
SCIENCE (compulsory)	Science	Science
HUMANITIES (compulsory)	Humanities	Humanities
ELECTIVE * (select one per semester)		
ELECTIVE * (select one per semester)		

*Japanese and English Support are year-long subjects. Students selecting these subjects are required to study them in Semester One and Two and enter them as their first-choice elective in both semesters.



Arts



YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 ART

Year Level	Year 9
Subject Title	Art
Length of Study	Single semester
Unit Description Summary	<p>Art is an immersive program designed to engage students in a deeper understanding of art practices, and a further development of their artistic and creative skills. Creativity has recently been recognized as one of the four most important 21st Century skills. The study of Art will encourage students to create something new, be innovative, and think outside the square. Students will engage in various art forms, both traditional and digital, including drawing, painting, sculpture, and printmaking. They will explore different techniques, materials, and concepts.</p> <p>Students will learn about art history, gain insights into influential artists, and analyse different artistic styles to broaden their artistic knowledge and inspiration.</p>
Content Overview	<p>In this subject, students will study:</p> <ul style="list-style-type: none"> • Drawing & Painting • Sculpture/Ceramics • Printmaking • Digital Art • Creative & critical thinking • Artist & Artwork Analysis
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>This unit provides some foundation for studies in:</p> <ul style="list-style-type: none"> • Year 10 Art • VCE Visual Communication Design • VCE Art Making & Exhibiting • VCE VET Creative Digital Media <p>This unit also provides some foundation for future studies at university and TAFE institutions in:</p> <ul style="list-style-type: none"> • Visual arts • Screen • Animation • Photography • Graphic design • Theatre arts
Outcome Assessment Description	<p>Students will be assessed using a combination of the following:</p> <ul style="list-style-type: none"> • Visual journal • Folio of finished artwork • Analysis and Presentations
Contact Details at St Patrick's College	Your year 7/8 Art teacher or Ms Jeanean Pritchard (Head of Arts)



ST PATRICK'S COLLEGE BALLARAT

YEAR 9 MEDIA

Year Level	Year 9
Subject Title	Media
Length of Study	Single semester
Unit Description Summary	<p>Media explores the world of media with an emphasis on film and film production. Students will analyse a media text, examining the production techniques, narratives, aesthetics, and cultural contexts. They will also explore issues such as representation in the media.</p> <p>Students will create their own films, and learn about storytelling techniques, media technologies, and the process of media production, including pre-production planning, production, and post-production editing.</p>
Content Overview	<p>In this subject, students will study:</p> <ul style="list-style-type: none">• Media language• Media production• Media representation
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>This unit provides some foundation for studies in:</p> <ul style="list-style-type: none">• Year 10 Media• Year 10 Creative Digital Media• Year 10 Photography• VCE Media• VCE VET Creative Digital Media <p>This unit also provides some foundation for future studies at university and TAFE institutions in:</p> <ul style="list-style-type: none">• Screen and media• Journalism• Photography• Animation
Outcome Assessment Description	<p>Students will be assessed using a combination of the following:</p> <ul style="list-style-type: none">• Short Film Pre-production• Short Film Production• Short Film post-production• Analysis of a film text
Contact Details at St Patrick's College	Your year 7/8 Art teacher or Ms Jeanean Pritchard (Head of Arts)

YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 VISUAL COMMUNICATION DESIGN

Year Level	Year 9
Subject Title	Visual Communication Design
Length of Study	Single semester
Unit Description Summary	<p>Visual Communication Design (VCD) students develop their creative and technical skills through the exploration of design elements and principles, design thinking, problem-solving, use of digital and traditional media, and analysis of professional practice. Creativity has recently been recognized as one of the four most important 21st Century skills. The study of Visual Communication Design will encourage students to problem solve, be innovative, and think outside the square.</p> <p>Students will engage in practical tasks, including sketching, illustration, communication design (typography, graphic design, layout design, packaging design), environmental design (architectural & interior design), and industrial design (product design).</p>
Content Overview	<p>In this subject, students will study:</p> <ul style="list-style-type: none"> • Drawing for communication • The Design Process • Analysis of Professional Practice
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>This unit provides some foundation for studies in:</p> <ul style="list-style-type: none"> • Year 10 Visual Communication Design • VCE Visual Communication Design • VCE VET Creative Digital Media • VCE Art Making & Exhibiting <p>This unit also provides a foundation for Higher Education Degrees or TAFE courses such as:</p> <ul style="list-style-type: none"> • Design and design-related studies • Communication • Industrial and fashion design • Architecture • Media
Outcome Assessment Description	<p>Students will be assessed using a combination of the following:</p> <ul style="list-style-type: none"> • Instrumental & technical drawing • Design tasks that respond to a given brief • Professional practice analysis
Contact Details at St Patrick's College	Your Year 8 Art teacher or Ms Jeanean Pritchard (Head of Arts)



Computing



YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 COMPUTING

Year Level	Year 9
Subject Title	Computing
Length of Study	Single semester
Unit Description Summary	<p>The Computing course enables students to become confident and creative developers of digital solutions through the application of information systems and specific ways of thinking about problem solving. Students will acquire a deep knowledge and understanding of digital systems, data and information and the processes associated with creating digital solutions so they can take up an active role in meeting current and future needs.</p> <p>This course encourages students to be decision makers by considering different ways of managing the interactions between digital systems, people, data, and processes (information systems) and weighing up the benefits and potential risks for society and the environment.</p>
Content Overview	<p>In this subject, students will study:</p> <ul style="list-style-type: none"> • Using digital systems to automate the transformation of data efficiently and effectively into information and to creatively communicate ideas in a range of settings • Understanding the implications of the use of ICT and their social and ethical responsibilities as users of ICT • Developing new thinking and learning skills and more productive ways of working and solving problems individually and collaboratively • Expanding the use of the MS Office suite -Excel, Access, OneNote and Word. • How to code
Pre-Requisites for this Study	N/A
Future Study Pathway	There are a number of electives at Year 10 including: Computing, Programming, Hardware and Innovative Digital Solutions.
Outcome Assessment Description	<ul style="list-style-type: none"> • Programming projects and lab tasks • Collecting and working with data • Project based task incorporating all elements of the course. • End of Semester Exam and tests
Contact Details at St Patrick's College	Your Year 8 Computing Teacher, Ms Swagerman (Head of Computing) or Mr Fernée



ST PATRICK'S COLLEGE BALLARAT

YEAR 9 CREATIVE DIGITAL MEDIA

Year Level	Year 9
Subject Title	Creative Digital Media
Length of Study	Single semester
Unit Description Summary	<p>This course is intended to introduce students to the many career opportunities available in the Creative Industries field such as 2D/3D artists, web designers, animators and special effects artists. Students will be provided with an introduction to the skills developed in the Cert III in Screen and Media.</p> <p>Students will receive an introduction to digital photo editing, image creation, web design and 2D animation. Skills will be developed in a series of practical product-based projects</p> <p>The skills developed are applicable in a wide range of industries.</p>
Content Overview	<p>Theory - Career, Design and Art (ongoing over the semester)</p> <ul style="list-style-type: none"> • Photoshop Skill Development • 2D Animation • Introduction to Web Design
Pre-Requisites for this Study	N/A
Future Study Pathway	Year 10 Creative Digital Media, VET Certificate III in Screen and Media Units 1-4
Outcome Assessment Description	<ul style="list-style-type: none"> • Photoshop Portfolio • 2D Animation Portfolio and final Animation • Website Development
Contact Details at St Patrick's College	Ms Swagerman (Head of Computing) or Ms Jeanean Pritchard (Head of Arts)



Drama





ST PATRICK'S COLLEGE BALLARAT

YEAR 9 ACTING & DIRECTING

Year Level	Year 9
Subject Title	Acting & Directing
Length of Study	Single semester
Unit Description Summary	<p>In this subject, students will learn about key approaches to directing and acting for the screen and stage. Through practical workshops, students learn about character motivation, objective, character traits and how acting skills can establish the world of the character.</p> <p>Students work collaboratively to enhance their directorial skills by considering best practice for blocking, planning rehearsal and running warmups as they stage a class production.</p> <p>Students will see live production and analyse the ways in which the team has created meaning for the audience.</p>
Content Overview	<p>In this subject, students will study:</p> <ul style="list-style-type: none"> • Staging a play: the class will choose a script to interpret and stage working in either acting or directing. • Analysing character: each student will complete a character analysis task on their allocated character. • Analysing live theatre production: students will see a live play and analyse the ways in which design helps convey meaning.
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>This subject will provide the foundations required for future study in:</p> <ul style="list-style-type: none"> • Year 9 Theatre Technologies • Year 10 Theatre Studies • Unit 1&2 Theatre Studies • Unit 3&4 Theatre Studies
Outcome Assessment Description	<ul style="list-style-type: none"> • Contribution to the class production: Performance & folio • Short answer Test: Character analysis • Short answer Test: Live theatre production analysis • End of semester exam
Contact Details at St Patrick's College	Ms Monique Allen (Head of Drama)

YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 THEATRE TECHNOLOGIES

Year Level	Year 9
Subject Title	Theatre Technologies
Length of Study	Single semester
Unit Description Summary	<p>In this subject, students will focus on the technical side of theatre with a specific focus on lighting and sound design for performance. Students will learn how to use programs such as Audacity and Qlab for designing and operating sound during live performances.</p> <p>They will learn about the lighting fixtures available in the new performing arts centre, how to plot lighting design through the desk and run cues during a performance. Students will learn how to design and construct set for a performance with a focus on how to stage manage a play.</p> <p>Students will go and see a live production and analyse the ways in which the team has created meaning for the audience.</p> <p>This subject will be completed in Semester 2 of the school year so that it lines up with the year 7-9 musical.</p>
Content Overview	<p>In this subject, students will study:</p> <ul style="list-style-type: none"> • Years 7-9 musical: Students in this subject will work across two production roles to design either lighting, sound or set for the years 7-9 musical. • Folio: students will keep a folio documenting their contributions to the musical. • Analysing live theatre production: students will see a live play and analyse the ways in which design helps convey meaning.
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>This subject will provide the foundations required for future study in:</p> <ul style="list-style-type: none"> • Year 10 Theatre Studies • Unit 1&2 Theatre Studies • Unit 3&4 Theatre Studies
Outcome Assessment Description	<ul style="list-style-type: none"> • Contribution to the years 7-9 musical: final designs & folio • Short answer Test: Live theatre production analysis • End of semester exam
Contact Details at St Patrick's College	Ms Monique Allen (Head of Drama)



English



YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 ENGLISH

Year Level	Year 9
Subject Title	English
Length of Study	Full year
Unit Description Summary	The Year 9 English course is designed to improve students' literacy skills and to stimulate their thinking about their world. As with all Year 9 subjects, English is taught according to the Victorian Curriculum F-10, which requires students to achieve a nominated level of proficiency, in a range of skill areas that encompass Reading, Viewing, Writing, Speaking and Listening.
Content Overview	<p>The areas of study for Semester 1 English are:</p> <ul style="list-style-type: none"> • Argument Analysis • Persuasive Oral Presentation • Text Response - Film <p>The areas of study for Semester 2 English are:</p> <ul style="list-style-type: none"> • Text Response - Novel • Craft of writing
Pre-Requisites for this Study	A sound understanding of English based on results above 50% in Year 8 English.
Future Study Pathway	<p>Students studying this subject may undertake one or more of the following in Year 10:</p> <ul style="list-style-type: none"> • English • Foundation English • English Language and Literature.
Outcome Assessment Description	Year 9 English will be assessed by class work, assessment tasks and an end of semester exam.
Contact Details at St Patrick's College	Your Year 8 English teacher or Mrs Trudi O'Callaghan (Head of English)



ST PATRICK'S COLLEGE BALLARAT

YEAR 9 FOUNDATION ENGLISH

Year Level	Year 9
Subject Title	Foundation English
Length of Study	Full year
Unit Description Summary	The Year 9 English course is designed to improve students' literacy skills and to stimulate their thinking about their world. As with all Year 9 subjects, English is taught according to the Victorian Curriculum F-10, which requires students to achieve a nominated level of proficiency, in a range of skill areas that encompass Reading, Viewing, Writing, Speaking and Listening.
Content Overview	<p>The areas of study for Semester 1 English are:</p> <ul style="list-style-type: none">• Presenting Argument• Text Response - Film• Analysing Poetry <p>The areas of study for Semester 2 English are:</p> <ul style="list-style-type: none">• Text Response - novel• Craft of writing• Analysing Argument
Pre-Requisites for this Study	An understanding of English based on results below 50% in Year 8 English.
Future Study Pathway	Most students completing this subject will undertake Year 10 Foundation English.
Outcome Assessment Description	Year 9 Foundation English will be assessed by class work, assessment tasks and an end of semester exam.
Contact Details at St Patrick's College	Your Year 8 English teacher or Mrs Trudi O'Callaghan (Head of English)



Health and Physical Education





ST PATRICK'S COLLEGE BALLARAT

YEAR 9 HEALTH

Year Level	Year 9
Subject Title	Health
Length of Study	Single semester
Unit Description Summary	<p>Students studying Health will learn to refine and apply strategies for maintaining a positive outlook and evaluating behavioural expectations in different leisure, social, movement and online situations. Students will learn to apply health and physical activity information to devise and implement personalised plans for maintaining healthy and active habits.</p> <p>They will also experience different roles that contribute to successful participation in physical activity and propose strategies to support the development of preventive health practices that build and optimise community health and wellbeing.</p>
Content Overview	<ul style="list-style-type: none"> • Mental Health • Drugs and alcohol • Nutrition • Safety (including the completion of a first aid course) • Relationships and sexuality
Pre-Requisites for this Study	N/A
Future Study Pathway	Following the successful completion of Health students may wish to extend their health education and choose Year 10 Health as an elective.
Outcome Assessment Description	<ul style="list-style-type: none"> • First Aid Assessment (practical and theory components) • Mental Health Test • Nutrition Test • Drugs and Alcohol Poster • End of unit summative assessment task (test)
Contact Details at St Patrick's College	Your Year 8 Health teacher or Mr Tom Nash (Head of Health and Physical Education)

YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 PHYSICAL EDUCATION

Year Level	Year 9
Subject Title	Physical Education
Length of Study	N/A
Unit Description Summary	<p>The Year 9 curriculum supports students to refine and apply strategies for maintaining a positive outlook and evaluating behavioural expectations in different leisure, social, movement and online situations. Students learn to apply health and physical activity information to devise and implement personalised plans for maintaining healthy and active habits.</p> <p>They also experience different roles that contribute to successful participation in physical activity and propose strategies to support the development of preventive health practices that build and optimise community health and wellbeing.</p>
Content Overview	<p>In this subject, students will focus on the following:</p> <ul style="list-style-type: none"> • Term 1 - Cricket & Tennis • Term 2 - Soccer & European Handball • Term 3 - Gaelic & Touch Rugby • Term 4 - Fitness & Sofcrosse
Pre-Requisites for this Study	NA
Future Study Pathway	In Year 10, students will continue to be actively involved through Sport. Year 10 Sport is a core unit and studied for the whole year. Academic choices that Year 10 students can choose include Year 10 Physical Education, Year 10 Health (both of which are semester-long subjects) and VET Sport and Recreation (which is year-long) and VCE Units 1&2 Outdoor and Environmental Studies.
Outcome Assessment Description	Teacher direct observation on participation, application and sports sense.
Contact Details at St Patrick's College	Your Year 8 Physical Education teacher or Mr Tom Nash (Head of Health and Physical Education)



Humanities



YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 HUMANITIES

Year Level	Year 9
Subject Title	Humanities
Length of Study	Full year
Unit Description Summary	The Year 9 Humanities course is a study of the major themes and events that have shaped the modern world. Students will explore the political, economic, social, and cultural forces that have influenced the development of societies around the world. They will also examine the ways in which individuals and groups have responded to these challenges.
Content Overview	<p>This course explores the major forces that have shaped the modern world. Students will learn about the role of government and democracy, the different types of work in the 21st century, and the challenges and opportunities of the future of work. They will also explore the Industrial Revolution, Australian society in this era, and the First World War.</p> <p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> • Understand the different types of government and the role of citizens in a democracy • Identify the skills and knowledge needed for success in the workplace • Analyse the challenges and opportunities of the future of work • Explain the causes and effects of the Industrial Revolution • Describe the social and political changes that took place in Australia during the Industrial Revolution • Analyse the causes and consequences of the First World War
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>This subject is design as preparation for Year 10 subjects such as:</p> <ul style="list-style-type: none"> • Ancient History • Modern History • Legal Studies • Commerce.
Outcome Assessment Description	<p>Summative assessments, such as essays and tests.</p> <p>Formative assessments, such as classwork, quizzes, and presentations.</p>
Contact Details at St Patrick's College	Your Year 8 Humanities teacher or Mr Matt Miller (Head of Humanities)



Languages



YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 JAPANESE

Year Level	Year 9
Subject Title	Japanese
Length of Study	Full year
Unit Description Summary	<p>In Year 9 Japanese students become more fluent and confident in using spoken and written language to express their ideas. They use an increasing range of vocabulary for topics related to their personal world and everyday life in Japanese speaking communities. They use Japanese to communicate and socialise, to access and exchange information and to express simple feelings and opinions. They use a wider variety of grammatical elements and demonstrate understanding of language variation and change.</p> <p>In written and spoken Japanese they use descriptive language appropriate for a variety of purposes using examples as models for new and complex structures. Students learn about the values and beliefs that underpin Japanese culture and increase their understanding of the relationship between language and culture. Students continue to use the phonetic hiragana script and consolidate their use of the katakana script. They learn the kanji related to the selected topics and incorporate them into the texts they produce.</p>
Content Overview	<p>Communicating. Students use Japanese for:</p> <ul style="list-style-type: none"> • Socializing in a variety of spoken and written contexts • Locating ideas in spoken and written texts, comparing points of view • Giving opinions, and presenting information in a variety of formats • Creating new texts to inform or entertain • Translating familiar texts such as emails and blog posts into Japanese and English • Reflecting on their own identity and culture and their intercultural interactions <p>Understanding. Students:</p> <ul style="list-style-type: none"> • Understand the systematic nature of Japanese language and grammatical forms • Recognize variations in language use that reflect different social and cultural contexts purposes and relationships • Recognize that Japanese culture is embedded in the language
Pre-Requisites for this Study	Students typically complete Year 8 Japanese before enrolling in Year 9 Japanese.
Future Study Pathway	Students who complete Year 9 Japanese are eligible to enrol in Year 10 Japanese.
Outcome Assessment Description	In Japanese students complete a range of assessment tasks on each selected topic. Students produce a variety of short written texts for a range of purposes, and they complete reading and listening comprehension tasks. They participate in short conversations and prepare and present information to the class. They also complete an examination at the end of each semester.
Contact Details at St Patrick's College	Your Year 8 Japanese teacher or Mr Paul Tucker (Head of Languages)



Mathematics



YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 FOUNDATION MATHEMATICS

Year Level	Year 9
Subject Title	Foundation Mathematics
Length of Study	Full year
Unit Description Summary	Foundation Mathematics follows the same course and topics as Pre-General Mathematics, however this is done at a more accessible level. This class is designed for students who find Mathematics challenging and/or require extra support to help them achieve success. These classes are smaller and allow students to gain confidence in their mathematical ability.
Content Overview	The areas of study for Year 9 Foundation Mathematics are: <ul style="list-style-type: none"> • Finance • Linear Equations • Geometry • Pythagoras' Theorem & Trigonometry • Measurement • Probability • Statistics
Pre-Requisites for this Study	N/A
Future Study Pathway	Students studying Year 9 Foundation Mathematics will then typically study Year 10 Foundation Mathematics which focuses on mathematics in the workplace and necessary mathematical life skills.
Outcome Assessment Description	Foundation Mathematics will be assessed by: <ul style="list-style-type: none"> • Class work • Tests • Assignments • End of semester exam
Contact Details at St Patrick's College	Your Year 8 Mathematics teacher or Mr Steven Biggin (Head of Mathematics)



ST PATRICK'S COLLEGE BALLARAT

YEAR 9 PRE-GENERAL MATHEMATICS

Year Level	Year 9
Subject Title	Pre-General Mathematics
Length of Study	Full year
Unit Description Summary	<p>Pre-General Mathematics continues to build upon the mathematical skills that students have developed throughout Years 7 and 8. This subject is intended to be widely accessible for all Mathematics students.</p> <p>All topics are non-calculus based and are designed to provide general preparation for employment or further mathematical study, particularly where data analysis, financial maths and number patterns are important. Pre-General Mathematics is often the minimum Mathematics required for many university courses or trades.</p>
Content Overview	<p>The areas of study for Year 9 Pre-General Mathematics are:</p> <ul style="list-style-type: none">• Finance• Linear Equations• Geometry• Pythagoras' Theorem & Trigonometry• Measurement• Probability• Statistics
Pre-Requisites for this Study	N/A
Future Study Pathway	Students studying Pre-General Mathematics will typically study Year 10 General Mathematics.
Outcome Assessment Description	<p>Pre-General Mathematics will be assessed by:</p> <ul style="list-style-type: none">• Class work• Tests• Assignments• End of semester exam.an end of semester exam
Contact Details at St Patrick's College	Your Year 8 Mathematics teacher or Mr Steven Biggin (Head of Mathematics)

YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 PRE-METHODS MATHEMATICS

Year Level	Year 9
Subject Title	Pre-Methods Mathematics
Length of Study	Full year
Unit Description Summary	<p>Pre-Mathematical Methods is also known as “pure” Mathematics. There is greater focus on theory and the various methods that can be used to solve problems. The topics covered include a large focus on various algebra topics, as well as geometry, trigonometry, probability, measurement and some financial Mathematics. Mathematical Methods is often a prerequisite to university courses such as Engineering, Information Technology or Medicine.</p> <p>Pre-Methods Mathematics offers advanced than General Mathematics and provides opportunities to pursue more difficult subjects in later years.</p>
Content Overview	<p>The areas of study for Pre-Methods Mathematics are:</p> <ul style="list-style-type: none"> • Finance • Trigonometry • Linear Equations • Linear Relations • Indices & Surds • Quadratics • Probability
Pre-Requisites for this Study	Strong performance in Year 8 Mathematics is advised.
Future Study Pathway	This subject is design as preparation for Year 10 Mathematical Methods and then VCE Mathematical Methods at years 11 and 12.
Outcome Assessment Description	<p>Pre-Methods Mathematics will be assessed by:</p> <ul style="list-style-type: none"> • Class work • Tests • Assignments • End of semester exam
Contact Details at St Patrick’s College	Your Year 8 Mathematics teacher or Mr Steven Biggin (Head of Mathematics)



Music



YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 MUSIC PERFORMANCE (CONTEMPORARY)

Year Level	Year 9
Subject Title	Music Performance (Contemporary)
Length of study	Single semester
Unit Description Summary	<p>This subject provides opportunities for students to focus on developing performance technique, stagecraft, practice routine, rehearsal technique, specifically relating to a range of subgenres within contemporary, such as Pop, Ballad, Rock n Roll, Hard/Heavy Rock, Grunge, Punk, Heavy Metal, Pop/Commercial Rock and Jazz. Students will explore ways of manipulating music elements, to realize the artistic intentions that reflect historical, social, and cultural influences for their performances.</p> <p>Students can choose to learn an instrument in a contemporary band (including but not limited to voice, ukulele, guitar, bass guitar, keyboard, drum, aux. percussion). Students who already play an instrument (such as brass or woodwind) are able to play this within the band setting.</p> <p>These practical experiences prepare students for a possible pathway to further Music studies.</p>
Content Overview	<p>In this subject, students will learn:</p> <ul style="list-style-type: none"> • Performing skills as part of a group • Effective rehearsal techniques • Stage craft elements and skills • Aural & theory concepts, Music elements, Music characteristics for contemporary music • MIDI sequencing for a simple music composition/song writing • End of semester practical exam (Band show)
Pre-Requisites for this Study	N/A
Future Study Pathway	Music Performance (Contemporary) leads to Year 10 Music Performance and VCE Music Units 1-4 in Year 11 & 12.
Outcome Assessment Description	<p>Performance skills:</p> <ul style="list-style-type: none"> • Stagecraft • Participation in rehearsals • Practice diary • A Band Show <p>Musicianship - theory and aural Comprehension</p> <ul style="list-style-type: none"> • Aural & theory workbook • Listening diary • Theory & aural test <p>Music Technology Portfolio</p> <ul style="list-style-type: none"> • Music composition for a chosen style
Contact Details at St Patrick's College	Your Year 8 Music teacher or Mr Jerry Lau (Head of Music)



Religious Education



YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 PHILOSOPHY

Year Level	Year 9
Subject Title	Philosophy
Length of Study	Single semester
Unit Description Summary	<p>A study in Year 9 Philosophy will look at the following areas: What does the future of humanity look like? What is our purpose on Earth? Why does the colour red seem to have more power than others? Should civilians be killed during wars? The Philosophy unit asks questions because a sense of wonder is at the heart of what it means to be human. Rather than being confined to one topic, Philosophy seeks to study the bigger picture through a focus on what really matters. In an ever-changing world, Philosophy is one of the most important subjects you can study, because it asks 'why?' It is not afraid to question.</p> <p>At its core, this unit is about the art of thinking, whether this is about the past, present, or the future. Considering this, we will look through clips of several films to support our studies including I, Robot, The Matrix, Inception, and many more.</p> <p>The thinking skills gained in Philosophy transfer to all subjects and graduates of it are highly sort after in the workplace. Most importantly, Philosophy helps to prepare you for an ever-changing world.</p>
Content Overview	<p>Areas of study include:</p> <ul style="list-style-type: none"> • Socrates • Advancing Technology • Philosophy of War • What is Truth? • Free Will • Happiness • Ethics
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>The study of Year 9 Philosophy will enable the students to continue onto:</p> <ul style="list-style-type: none"> • Year 10 Philosophy • VCE Philosophy
Outcome Assessment Description	Students will be assessed through a range of tasks, including writing, speaking and tests.
Contact Details at St Patrick's College	Mr Daniel Willey (Philosophy Teacher) or Mr Mitchell Leviston (Head of Religious Education)



ST PATRICK'S COLLEGE

BALLARAT

YEAR 9 RELIGIOUS EDUCATION

Year Level	Year 9
Subject Title	Religious Education
Length of Study	Full year
Unit Description Summary	<p>Year 9 Religious Education will begin the student's preparation to undertake the VCE Religious Education subjects in Year 11.</p> <p>The Year 9 program sees the students study diverse units such as Challenge, Change and Reformation, The Kingdom of God and Our Common Home. These units are designed to go hand-in-hand with the many other activities that occur during the broader Year 9 experience.</p> <p>The Year 9 and 10 programs lead directly into studies in either VCE Religion and Society or VCE Texts and Traditions.</p> <p>In Year 11 the students will be able to choose either Texts and Traditions VCE Unit 1&2 or Religion and Society Unit 1&2.</p> <p>Year 12 students select from Faith in Action, VCE Units 3&4 of Religion and Society, VCE Units 3&4 of Texts and Traditions or Year 12 Religious Education (non-VCE) to meet their Religious Education requirement.</p>
Content Overview	<p>Units studied in Year 9 include:</p> <ul style="list-style-type: none"> • Challenge • Change and Reformation • Kingdom of God • Our Common Home • Texts and Traditions
Pre-Requisites for this Study	N/A
Future Study Pathway	Following the completion of Religious Education in Year 9 students have the choice to undertake a main-stream Religious Education study in Year 10 that will lead to all Religious Education VCE offerings or choose to begin the journey towards VCE Texts and Traditions.
Outcome Assessment Description	<p>Assessments include:</p> <ul style="list-style-type: none"> • Reports • Essays • Tests • Presentations and speeches • Exegetical writing
Contact Details at St Patrick's College	Your Year 8 RE Teacher, or Mr Mitchell Leviston (Head of Religious Education)



Science





ST PATRICK'S COLLEGE BALLARAT

YEAR 9 SCIENCE

Year Level	Year 9
Subject Title	Year 9 Science
Length of Study	Full year
Unit Description Summary	<p>During the first semester, the Year 9 Science course focuses on reviewing the different forms of chemical reactions, and how they can be balanced through the application of the law of conservation of mass. This culminates in the collection and presentation of primary data. In electricity students differentiate between series and parallel circuits and used this knowledge to predict the effectiveness of circuits when globes and other components are removed and added.</p> <p>Students apply their knowledge of electricity and energy efficiency through the view of climate science. Included within this review is an overview of the Greenhouse Effect, Weather and Climate and Pollution. Students are introduced to the nervous system, through a review of the science behind control and coordination. Building on this is a review of the application of Science within a forensic field, culminating in the completion of a forensic case study incursion. Students finish Year 9 Science through the review of disease and disease management strategies.</p>
Content Overview	<p>In Semester 1, students will study:</p> <ul style="list-style-type: none"> • Chemical Reactions, including: <ul style="list-style-type: none"> ○ Types of Chemical Reactions ○ Balancing Chemical Reactions ○ Isotopes ○ Cation and Anion Formation • Electricity and Climate Science, including: <ul style="list-style-type: none"> ○ Series and Parallel Circuits ○ Ohm's Law ○ Renewable Energy Sources ○ Global Cycles <p>In Semester 2, students will study:</p> <ul style="list-style-type: none"> • Control and Coordination and Forensic Science, including: <ul style="list-style-type: none"> ○ The Nervous System ○ Stimulus Response Models ○ Homeostasis ○ Forensic Science • Studies in disease, including: <ul style="list-style-type: none"> ○ Pathogens and Disease ○ First and Second Lines of Defence ○ Passive and Active Treatments
Pre-Requisites for this Study	Year 8 Science
Future Study Pathway	<p>Year 9 Science provides the fundamental knowledge to complete any of the Year 10 Science programs:</p> <ul style="list-style-type: none"> • Biology • Chemistry • Environmental Science • Physics
Outcome Assessment Description	<p>Year 9 Science includes assessments such as:</p> <ul style="list-style-type: none"> • Topic Tests • Practical Reports • Scientific Posters • Semester Examinations
Contact Details at St Patrick's College	Your Year 8 Science teacher or Mr James Russell (Head of Science)



Technology





ST PATRICK'S COLLEGE BALLARAT

YEAR 9 DESIGN TECHNOLOGY - METAL

Year Level	Year 9
Subject Title	Design Technology - Metal
Length of Study	Single semester
Unit Description Summary	<p>Design and Technology - Metal is suitable for students interested in designing and making items made from metal, as well as those interested in careers in the manufacturing and construction industries. The course will focus on the application of the design process and the manufacture and evaluation of assorted products using solid forms of metal.</p> <p>Students spend 70% of class time doing practical activities, including On Guard safety training modules and 30% of class time will be spent doing theory and completing an investigation into metal processing.</p> <p>Classroom activities include preparing project folios, which includes the elements of researching, designing, and drawing, completing a range of exercises in measuring, shaping, and joining steel using common hand tools and workshop equipment, manufacture of several different metal projects, conducting ICT based research on a major topic related to metal, and evaluating the success of each project and the design/production processes applied.</p>
Content Overview	<p>Knowledge and skills students will gain include:</p> <ul style="list-style-type: none">• The application of safe and proper work practices in a metal workshop environment• Further developing skills in using a range of common hand tools, portable power tools, stationary machines, and equipment• Applying the technology design process, which is based on the model of investigate, design, produce and evaluate.
Pre-Requisites for this Study	N/A
Future Study Pathway	VET Engineering Studies in Years 10 and 11 and/or VCE Units 1-4 of Product Design and Technology in Years 11 and/or 12.
Outcome Assessment Description	<p>Completion of Project Folios</p> <ul style="list-style-type: none">• Skill development tasks• Manufacture of metal products• Investigation Report• Evaluation of the product and processes applied• End of semester exam
Contact Details at St Patrick's College	Your Year 8 Technology teacher or Mr Roger Knight (Head of Technology)

YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 DESIGN TECHNOLOGY - WOOD

Year Level	Year 9
Subject Title	Design and Technology - Wood
Length of Study	Single semester
Unit Description Summary	<p>This study is suitable for students interested in designing and making items made from wood, as well as those interested in careers in the manufacturing and construction industries. The course will focus on the application of the design process and the manufacture and evaluation of a major production piece.</p> <p>Classroom activities include completing a range of exercises in measuring and joining timber using hand tools, making a product using hand tools and other powered woodworking equipment, evaluating the success of the end product and production processes used, and preparing a personal design folio which will include elements of researching, designing, and sketching.</p>
Content Overview	<p>Knowledge and skills students will gain include:</p> <ul style="list-style-type: none"> • The application of safe and proper work practices in a wood workshop environment. • Further developing skills in using a range of hand tools, portable power tools, stationary machines, and equipment. • Developing an understanding of how to read and use working drawings and a materials list. • Understanding the design processes and developing the associated skills and techniques required to research, design, and make a product
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>This subject provides a foundation for undertaking:</p> <ul style="list-style-type: none"> • Year 10 Design and Technology Wood • VET Certificate II Building and Construction • VCE Units 1-4 of Product Design and Technology (in Year 11 and 12)
Outcome Assessment Description	<p>This subject will be assessed using the following:</p> <ul style="list-style-type: none"> • Completion of a Design Folio • Development of a wide range of practical wood working skills • Manufacture of wood-based products • Evaluation of the product • An end of semester exam
Contact Details at St Patrick's College	Your Year 8 Technology teacher or Mr. Roger Knight (Head of Technology)



ST PATRICK'S COLLEGE BALLARAT

YEAR 9 FOOD STUDIES

Year Level	Year 9
Subject Title	Food Studies
Length of Study	Single semester
Unit Description Summary	<p>Food Studies introduces students to two pathways - the hospitality industry and/or VCE Food Studies. VET Certificate II in Kitchen Operations is a VETiS option in Year 10 and Food Studies is available in the VCE. Both practical and theory concepts are included in this course to give students a clear understanding of the different pathways available to them in the Senior years.</p> <p>Kitchen Operations modules include basic meal preparation, cakes pastries and yeast goods, tools and equipment use in the hospitality industry and occupation health and safety.</p> <p>Food Studies gives students an insight into the design process in food, different cuisines around the world, understanding fair trade and ethics in food. Food Studies develops student's knowledge of the design process to develop design solutions and evaluate their success.</p> <p>Knowledge of cooking principles and reactions in food preparation are built upon to prepare students for a range of food related pathways. Hospitality industry knowledge and skills will focus on the commercial kitchen, specifically, how each area of a commercial kitchen works together for a "service", along with developing a menu for a function.</p>
Content Overview	<p>Examples of the types of classroom activities you will be doing in Food Studies:</p> <ul style="list-style-type: none"> • Introduction of the principles of cookery • Investigation and development of a range of options to a given design problem which consists of a personal design brief, specific evaluation criteria and relevant research • Develop a range of skills and techniques relevant to more advanced production methods • Research and investigate tasks involving critical thinking and analysis
Pre-Requisites for this Study	N/A
Future Study Pathway	<p>This subject provides a foundation for future study in:</p> <ul style="list-style-type: none"> • Year 10 Food Studies • VETiS Certificate II in Kitchen Operations
Outcome Assessment Description	<p>Students will be assessed on their approach to:</p> <ul style="list-style-type: none"> • Principles of Cookery • Research • Design • Production • Self- evaluation and sensory responses • End of semester exam
Contact Details at St Patrick's College	Your Year 8 Food Studies teacher of Mr Roger Knight (Head of Technology)

YEAR 9 SUBJECT INFORMATION HANDBOOK



YEAR 9 SYSTEMS ENGINEERING

Year Level	Year 9
Subject Title	Systems Engineering
Length of Study	Single semester
Unit Description Summary	<p>Systems Engineering introduces students to STEM (Science Engineering and Mathematics) based learning. This is an exciting field of study that provides access to some of the most recent innovations in technology education. Students start with basic mechanical and electrical theory with topics that include, energy, force, motion, series and parallel circuits and ohms law.</p> <p>They learn to simulate basic circuits using simulation software. They learn to prototype using CAD software and 3D printing technology. Students create and assemble basic mechatronic projects. They learn the basics of coding using programming software and robotics hardware.</p> <p>During the course, students become familiar with mechanisms and electronic components and their applications in technology contexts.</p>
Content Overview	<p>Examples of the types of classroom activities you will be doing in Systems Engineering:</p> <ul style="list-style-type: none"> • Investigating mechanical and electrical concepts and principles • Designing elements of simple mechatronic projects • Using simulation software to investigate circuits • Constructing simple mechatronic projects • Programming Microbot robots using basic coding software • Evaluating project work
Pre-Requisites for this Study	N/A
Future Study Pathway	Year 10 Systems Engineering, where more challenging projects are offered.
Outcome Assessment Description	<p>In this subject, students will be assessed on:</p> <ul style="list-style-type: none"> • Mechanical and electrical theory, concepts, and principles • The Design Process (Investigate, design, make, test, evaluate) • Projects • Coding • End of semester exam
Contact Details at St Patrick's College	Your Year 8 Technology teacher or Mr Knight (Head of Technology)

