



Year 10

Electives Handbook

2024

Year 10 2024 Senior Course Guide

In Year 10 you will complete compulsory and elective subjects over the school year.

Our curriculum aims to provide a broad range of choices to enable you to acquire skills and knowledge for a successful transition into Years 11 and 12.

This handbook provides a guide to subject selection. Your final selection requires much consideration and investigation by you and your parents. We encourage families to discuss your options and aspirations and take advantage of the advice offered at school.

If you have any difficulty or further questions you should talk with your Teacher Advisor, Class teachers or any member of the Subject Selection Staff. **We are here to help and support you.**

Subject Selection Staff

Senior Pathways/Careers Coordinator - Mrs Lesley Lannen llannen@stbc.vic.edu.au

Teaching and Learning Team:

Ms Jillian Wright- jwright@stbc.vic.edu.au

Mrs Madeleine Chaplin - mchaplin@stbc.vic.edu.au

Mr Darcy Taylor - dtaylor@stbc.vic.edu.au

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Choosing Your Subjects

In Year 10 we offer a range of compulsory (core) and elective subjects. Early in Term 3 you will take part in activities to assist you to choose your 2024 subjects. We encourage you:

- to study a broad range of subjects that you may *enjoy* and find *challenging*
- talk to other students who have studied subjects in which you are interested
- talk to subject teachers who are only too happy to share with you what their subjects are about
- and talk to any of the Subject Selection team.

We invite you and your family to come to the **2024 Year 10 Information Night**. You will complete and submit your Year 10 Pathway Planners; individual interviews will be completed as required or requested.

Compulsory Subjects (Core)

Year 10 students must study the following subjects: Mathematics, English, Science, Pastoral Care, Religion, Health and Pathways to the Future. One semester of a Humanities elective must be chosen in elective choices.

Electives

You may combine your electives in a number of ways.

- Eight different semester long subjects
- Four subjects for both semesters
- A combination of your choice

Subject Changes

You will normally select subjects for the full year, but there may be some scope for elective subject changes mid-year, depending on existing class numbers and timetabling. You must speak with a member of the Learning and Teaching team for this to occur.

VCE subjects

Although you may undertake a course of study in keeping with your year level, you may wish to undertake one VCE Unit 1 & 2 sequence. If you do this, it will take two spots of your electives and leave you with one Study Period to assist you in that subject.

Please indicate this on the **Year 10 Pathway Planner** that will be posted in the Year 9 Careers Time Google Classroom.

Subject Selection - the steps

Step 1 - Read this Handbook thoroughly. Read other materials that are posted on the **Year 9 Careers Time Google Classroom**.

Step 2 - **Consider your options:**

- What subjects are you good at? Which do you enjoy?
- What are your interests?
- What skills do you have? What are you good at?
- What is important to you?
- What do you hope to achieve at school?
- What subjects challenge you?
- Will I choose a VCE subject?
- Do I want to start a VET program?

Step 3 - **Attend** the Year 10 2024 Information Night, with a parent or guardian. This session will be held in the Senior Study Centre.

Step 4 - **Ask questions**, speak to subject teachers or Mrs Lannen (Careers Coordinator)

Step 5 - Participate in school session

Step 6 - Complete and submit your **Year 10 Pathway Planner** on the Google Classroom

Step 7 - Attend your **Subject Selection Interview** with a parent/guardian (if required or requested)

Step 7 - **Submit** your subject selections online using your provided username and password. (You will be shown how to do this)

MATHEMATICS

The selection of Mathematics for Year 10 is a collaboration between **students and teachers**. You are asked to have a conversation with your Year 9 Maths teacher **before** picking your Year 10 Mathematics option.

This will be discussed in your subject selection interview to ensure the correct level is picked for any future aspirations. You may choose to get a headstart on your VCE by choosing a VCE Mathematics study.

Mathematical Sequence – Year 10 to 12

Year 10	Year 11	Year 12
Year 10 Mathematics	VCE General Mathematics Unit 1 & 2 VCE Foundation Mathematics Unit 3 & 4	VCE General Mathematics Unit 3 & 4 VCE Foundation Maths Unit 3 & 4
10 A Mathematics	VCE General Mathematics Unit 1 & 2 VCE Mathematical Methods Unit 1 & 2 and/or VCE Specialist Mathematics Unit 1 & 2	VCE General Mathematics Unit 3 & 4 VCE Mathematical Methods Unit 3 & 4 and/or VCE Specialist Mathematics Unit 3 & 4
VCE General Mathematics Unit 1 & 2 VCE Mathematical Methods Unit 1 & 2 VCE Specialist Mathematics Unit 1 & 2	VCE General Mathematics Unit 3 & 4 and/or VCE Mathematical methods Unit 3 & 4 and/or VCE Specialist Mathematics Unit 3 & 4	VCE Mathematical Methods Unit 3 & 4 and/or VCE Specialist Mathematics Unit 3 & 4.

MATHEMATICS YEAR 10

This subject covers work from a range of strands. Topics include linear relations, geometry, measurement, trigonometry, financial mathematics and statistics. It has a homework component and focuses on developing skills in calculator use and the basic problem solving that is required for General Mathematics.

Pick this Maths if you are:

- Someone who understands the importance of mathematics as part of their VCE or VCE VM pathway.
- Wish to undertake General Mathematics Units 1 & 2 in Year 11 or VCE VM Numeracy
- Beginning for a pathway into VCE General Mathematics Units 3 and 4.

Enrolment into this subject will depend on your mathematical ability and previous results.

YEAR 10A MATHEMATICS

The subject covers work from a range of strands. Topics include linear and non-linear relations, geometry, probability, polynomials and algebraic techniques. You are encouraged to use appropriate technology in all areas. This subject has a strong expectation on homework and personalised study to uphold the expectations of the course and its content level. There is a large focus on technology usage on the CAS TI-Nspire CX, to enhance mathematical workings. The subject also focuses on problem solving application tasks and incorporates basic modelling tasks that are required for Mathematical Methods. A demonstration of a high level of mathematical capability in Year 9 Mathematics is essential.

Prerequisite: Students must achieve an average percentage of 80% in their Year 9 mathematical studies to participate in this subject.

Pick this Maths if you:

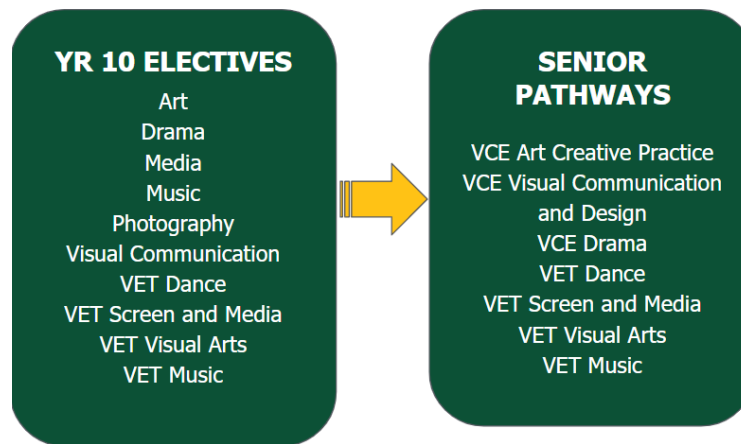
- are someone who has a strong interest in Mathematics and enjoys the challenge of the harder algebraic-based mathematics
- and wish to undertake Mathematics Methods or Specialist Mathematics in Years 11 and 12 and/or students who have chosen to study VCE General Mathematics Units 1 and 2 as an elective in Year 10.

Enrolment into this subject will depend on your mathematical ability and previous results will be taken into account prior to entry.

Requirements: This subject requires a Ti-nspire CAS calculator

Arts Electives

Arts Pathways



Semester One: Art Now

Explore art through time to see how it influences work by contemporary artists. Apply traditional art forms such as oil painting in a contemporary way. Explore non-traditional artforms and materials to re-interpret historical artworks and communicate ideas.

Semester Two: Symbolism, Meaning and Identity

Students explore and respond to the symbolism used in artworks from different times and cultures and investigate how artists have used symbolism to communicate ideas about identity. Students develop their own symbolism and apply it to their artworks. They explore different artforms, techniques and art styles and find ways to develop ideas for artworks.

Semester One: Drama – Introduction to Drama throughout History, Movement and Improvisation

Explore drama as an art form through improvisation and scripted drama whilst refining and extending understanding of roles, characters, relationships and situations. Extend the use of voice and movement to sustain belief in character. Explore space and time, language, ideas and dramatic action whilst engaging with diverse performance styles and ways of presenting drama from different cultures, times and locations. Study modern adaptations of Shakespeare's works. Students explore meaning and interpretation, forms and elements and how drama can influence and challenge their lives.

Semester Two: Drama – Introduction to Non-Naturalism and Ensemble Performance

Study and select from a variety of monologues written by established playwrights from both the classical and modern era. Revisit the naturalistic style of Stanislavski and his system to ask the 'Magic If?' in rehearsing, blocking, workshopping, presenting and performing a monologue. Non-naturalism is a broad term for all performance styles that are not dependent on the life-like representation of everyday life. Explore these styles through a range of performance activities in small groups to interpret a stimulus and create a small ensemble performance.

Semester One: Media – Films And Genres

Develop knowledge of the 'rules' of creating multiple types of film genres. Explore how filmmakers apply certain codes and conventions within specific genres of film to help their audience understand, follow and enjoy their films. See these 'rules' at work across a number of film studies and apply this knowledge when making short films.

Semester Two: Media – Villains And Superheroes

Study the creation and fundamentals of the villain/superhero narrative that is so popular in today's society. Incorporating the study of film, comics and gaming in order to demonstrate elements of story construction and narrative progression, students will also explore how production elements such as lighting and sound can be used to create captivating media texts. Develop skills in the construction of film and/or print media texts.

Semester One: Music – Magical Musicals And Cool Composers

Watch and compare a live musical and musicals on DVD. Explore how musicals are made, live musical production roles both on and offstage, and the role of music within the musical. Select a musical composer for an in depth study. Compare composers' expressions and creative idea development and how songs are selected for inclusion within musicals.

Semester Two: Music – Songwriting... Social Justice & Protest Music

Explore how songs of protest and social justice are written and where ideas and inspiration come from by listening to songs and analysing different genres. Learn some basic songwriting techniques. Write your own song of protest.

Semester One: Photography – Painting With Light

Explore the development of photography since its origins. Experiment with a variety of different methods of creating images whilst increasing understanding of the underlying elements of photography of light and exposure. A range of photographers are looked at and analysed to understand composition and what is seen in a photo.

Semester Two: Photography – Digital Camera Photography

Become familiar with the different controls on digital cameras and how they affect images. Digital file handling skills are also developed through the use of Photoshop as another tool to extend creativity and skills. Creatively explore the photographic art elements and participate in some selected forms of photography (journalistic, landscape, fashion, artistic) dependent on the current opportunities available. The modern context of photography is also explored engaging in the questioning of what is 'real'.

Semester One: Visual Communications – Technical Drawing for Industry

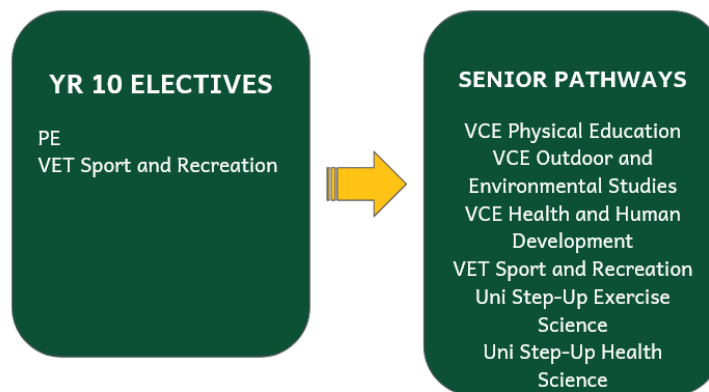
Develop technical drawing skills which will be relevant for students considering working in the industries of building, plumbing, electrical, cabinet making, architecture, landscape design, product design, and engineering. Apply drawing systems including plans and elevations, orthogonal drawing, isometric, planometric and perspective drawing using manual or digital drawing methods. These technical drawing skills can also be applied to Wood electives in Years 8 – 10 and VCE Visual Communication and Design & VCE Product Design Technology - Wood.

Semester Two: Visual Communications – Design Me This...

Expand your creativity using design thinking and the design process. Develop your skills using a variety of materials, methods and media used by graphic designers and illustrators. Work to a 'brief' and refine your designs exploring design elements and principles, materials, methods and media.

Health and Physical Education Electives

HEALTH AND PHYSICAL EDUCATION PATHWAYS



Semester One: Sports Coaching, Sports Psychology and Biomechanics

You will have the opportunity to focus both internally and externally as you explore your passion around physical activity and physical education. Gaining a better understanding of self, you will explore the most recent studies in the field of Sport Psychology, including topics such as goal setting, motivation, visualisation/mindfulness and anxiety.

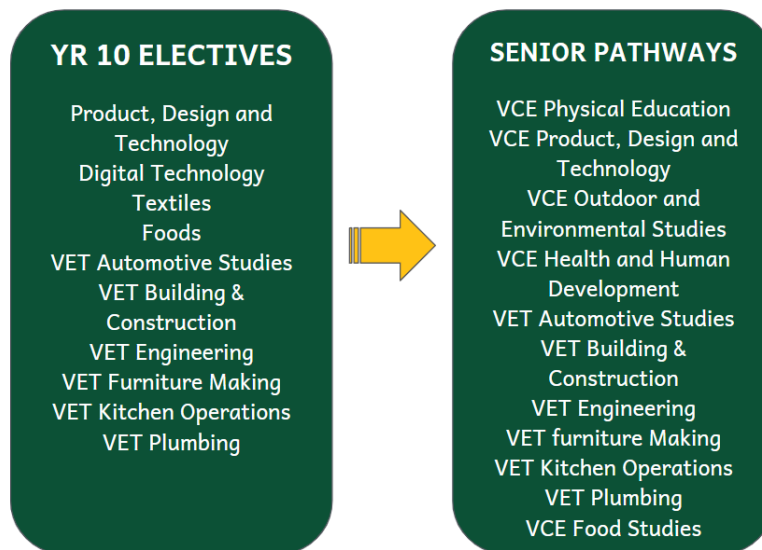
Through theoretical and practical participation, you will develop a basic understanding of skill acquisition, coaching styles, fair play and sportspersonship. You will actively work with primary school children to implement these skills, evaluating and improving your own coaching performance.

Semester Two: Fitness and Training, Injury Prevention and Nutrition

Both theoretical and practical components in the field of fitness and training will be studied. You will actively explore different fitness training methods, using both onsite and offsite facilities, and this can be tailored to your sport specific needs. You will study fitness components, body systems, injury prevention and nutrition to support you in designing, implementing and critiquing your own individualised training program.

Technology Electives

TECHNOLOGIES PATHWAYS



Semester One: Foods – Cafe Style Foods & Celebration Cakes

The course investigates how the principles of food safety, preparation, presentation and sensory perceptions influence the creation of café quality products. Students explore the characteristics and properties of food, food selection and preparation. In the practical area of the unit, students prepare and present foods using a range of techniques to ensure optimum flavour, texture, and visual appeal. Food photography and digital technologies are utilised to record practical outcomes.

Semester Two: Foods – Catering for others

The course investigates how the principles of food safety, preparation, presentation and sensory perceptions influence the creation of café quality products. Students explore the characteristics and properties of food, food selection and preparation.

In the practical area of the unit, students prepare and present foods using a range of techniques to ensure optimum flavour, texture, and visual appeal. Food photography and digital technologies are utilised to record practical outcomes.

Semester One: Textiles – Sew Frenchy Se Chic - Retro Recycle

Ramp up your skills and create effortlessly, stylish and chic casual outfit for your wardrobe. Work through the design process of investigating and designing; producing and evaluating to develop your knowledge and skills in the area of fashion. Learn about new trends in the fashion industry forging sustainable practices to eliminate our world of unsustainable, fast fashion.

Semester Two: Textiles - Fashionista on the Field

Let your creative skills loose in the field of fashion by designing and producing a fun, fashionable fascinator for a day at the races or your next trend setting event. Challenge your skill level and team the fascinator with a complementary outfit or part thereof (depending upon your skill level). Work through the design process of investigating and designing; producing and evaluating to develop your knowledge and skills in the area of fashion. Improve your drawing skills through various techniques in order to enhance your folio presentation.

Semester One: Product, Design and Technology (Wood, Metal, Plastics)

Complete a set project, with individual design input. Use the design process to complete a design brief, research, design options, working drawings, cost, construct and evaluate a project.

Semester Two: Product, Design and Technology (Wood, Metal, Plastics)

Draft and design a project within design constraints. These may be budget, size, materials used etc. Continue and extend upon investigating, planning, producing and evaluating a project.

Semester One: Digital Technology

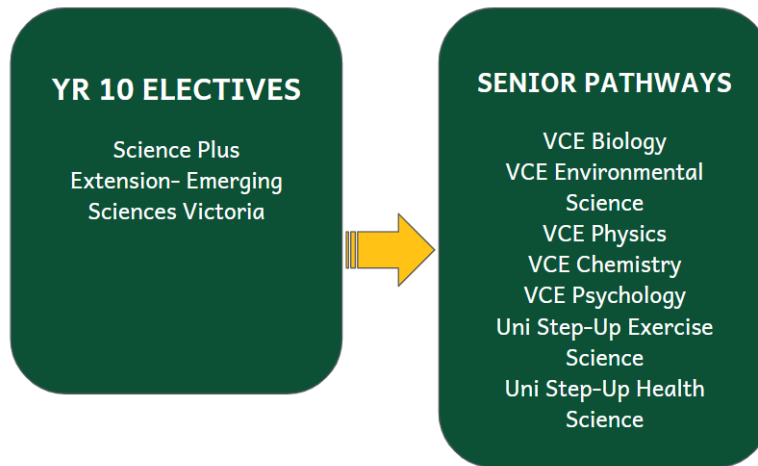
You will build a working network in the classroom to develop your knowledge of the control and management of networked digital systems and the data security implications of the interaction between hardware, software and users. You will investigate data systems and how they influence decisions when designing solutions for the creation, implementation, testing and evaluation of these solutions. You will investigate privacy and security requirements when selecting and validating data and use digital systems to analyse, visualise and model key characteristics of information. You will develop the key skills and techniques used to obtain data and to apply solutions in real world contexts.

Semester Two: Digital Technology

You will define and decompose complex problems in terms of their functional and non-functional requirements. You will design and evaluate user experiences and algorithms to develop and test modular programs using an object-oriented programming language like Javascript. You will create and present a working version of a solution to a problem; this could involve developing your own website, creating a new invention using a microcontroller like Arduino or any number of code-based programs and solutions.

Science Electives

SCIENCE PATHWAYS



Science Plus

If you are considering studying a VCE Science in the future, completing **at least a** semester of Science Plus is **highly recommended**. In these elective courses you will consolidate the science skills necessary for a comfortable transition to any of the VCE sciences.

Semester One: Altering our Genes: A Comprehensive Exploration of Genetics and Ethical Considerations

In this course, students will embark on a fascinating journey of scientific inquiry, focusing on key topics such as adaptation, evolution, biodiversity, scientific breakthroughs, and technology. By delving into these subjects, students will gain an understanding of how genetics can be altered and the profound impact it can have on our lives.

Throughout the course, students will also develop critical thinking skills and learn how to critically evaluate scientific claims. Ethical considerations in scientific research will be a central theme, encouraging students to reflect on the social, moral, and environmental implications of altering our genes. By exploring the question of "should they be altered?" and considering the consequences, students will engage in meaningful discussions and develop well-informed perspectives.

Recommended for those who want to complete VCE Biology and Psychology

Semester Two: Water, the most important molecule on Earth

Dive into the captivating world of water as we embark on a multidisciplinary journey exploring its remarkable properties through the lenses of chemistry, physics, and environmental science. In this hands-on course, students will engage in a variety of exciting experiments, fieldwork expeditions, and thought-provoking discussions to deepen their understanding of water's capabilities and its critical role in our natural environment.

Throughout the course, we will unravel the mysteries of water by investigating its chemical composition, exploring its physical behaviours, and analysing its impact on the world around us. From microscopic interactions to global phenomena, students will gain a comprehensive understanding of water's significance across multiple scientific disciplines.

Recommended for those who want to complete VCE Chemistry, Physics and Environmental Science.

Emerging Sciences Victoria (ESV) - Extension Program

ESV offers a number of different courses each semester, with new subjects and topics added regularly. Each course is delivered live through our virtual classroom. Students who choose this option will have study periods allocated into their timetable to cover for the time taken out of their other classes to complete their chosen course.

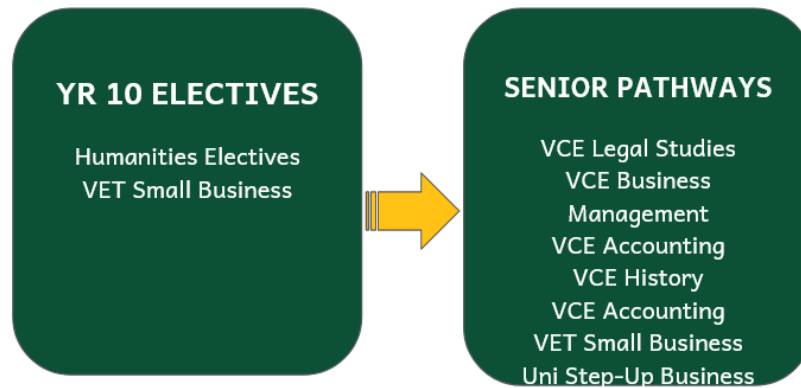
[Click here](#) for descriptions of available courses.

An example timetable:

ESV Timetable Semester 2, 2023				
Monday	Tuesday	Wednesday	Thursday	Friday
	Bioinformatics 8:40-9:30am	Neuroscience 8:40-9:30am		Nature & Beauty of Mathematics 8:40-9:30am
	Medical Physics 9:45-10:35am			Astrophysics 9:45-10:35am
Bioinformatics 11:30-12:20pm	Alternative Energies 11:30-12:20pm	Medical Physics 11:00-11:50am		Alternative Energies 11:30-12:20pm
	Nature & Beauty of Mathematics 12:25-1:15pm			Neuroscience 12:25-1:15pm
	Astrophysics 2:30-3:20pm			

Humanities Electives

HUMANITIES PATHWAYS



Students must pick one semester of a Humanities elective.

Semester One: Tyrants, Terror, Total War and Defending Freedom

Investigate the tyrants (dictators) that emerged from the battlefields of WWI and how they used the interwar years to rise to power through the strategic use of propaganda, personality and prejudice. Case studies will look at WWII tyrants such as Stalin, Hirohito, Mussolini & Hitler and the aggressive acts they committed to cause WWII.

Come to know, promote and defend your rights and responsibilities as citizens and explore key concepts of democracy, justice and citizenship on a local, regional, national and global level. Through critical thinking, perspective taking, case study analysis and action projects, discover how you can make a difference in your society.

Semester Two: The Australian Dream and Outbreak

We utilise the remarkable and inspirational story of Horsham's own indigenous AFL legend Adam Goodes as the prism through which to tell a deeper and more powerful story about the struggle for freedom and rights of Aboriginal and Torres Strait Islander peoples. There is a focus on the impact of the Stolen Generations, effects of the 1967 referendum, trail blazers of the Civil Rights Movement and the consequences of the Freedom Rides in Australia. Further exploration surrounds the US Civil Rights Movement and its influence on Australia. The unit concludes with a study of the continuing efforts to secure civil rights and freedoms in Australia and throughout the world.

We explore various risk factors involved in the development and spread of epidemics, pandemics and plagues from the past and present and their resulting mortality, including biological, socio-economic, and environmental factors and historical implications.

VCE Subjects

You may choose to study a VCE subject in Year 10 to accelerate your learning. All VCE subjects are available in the selection process. If the selection of a VCE subject creates a clash or is unable to be structured within the timetable, the subject selection team will have a meeting with you to discuss options for your study.

For more detailed information click on: [VCE Study Designs](#)

ENGLISH	
English	Unit One- Reading and exploring texts & Crafting Texts Unit Two - Reading and exploring Texts & Exploring Argument Pick this subject if you are someone who: <ul style="list-style-type: none"> ➤enjoys reading, writing and discussing ideas ➤is interested in examining current affairs and the role of the media ➤likes to work with ideas, to think creatively and write extended responses.
HUMANITIES	
History- Modern History	Unit One - Change and conflict Unit Two-The changing world order Pick this subject if you are someone who: <ul style="list-style-type: none"> ➤is interested in knowing about the 'what' that has gone before us ➤enjoys current affairs, social science, history, politics and culture ➤has strong literacy and language skills, and likes to analyse different sources, both visual and written ➤is researching careers in teaching, archaeology, anthropology, historian, foreign affairs, politics, writing, the law, journalism, public service, social, cultural and military history, script writer, film maker, museum curator, park ranger and sociology. ➤and enjoys analysing a range of both written and visual documents and understands how they reflect different views of historical events and figures.
Religion & Society	Unit One – The role of religion in society Unit Two- Religion and ethics Pick this subject if you are someone who: <ul style="list-style-type: none"> ➤is interested in understanding how beliefs express meaning in life for individuals and communities ➤and likes to explore many of the 'big life questions' as well as key people and events that have shaped our Christian history.
BUSINESS AND ECONOMICS	

Business Management	<p>Unit One – Planning a business Unit Two – Establishing a business</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤wishes to pursue a tertiary course in commerce, economics or accounting ➤and is more practically minded who may wish to work for a business after leaving school via apprenticeships or a vocational pathway, with the ultimate goal of owning and running your own business.
Legal Studies	<p>Unit One – The Presumption of innocence Unit Two – Wrongs and rights</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤is interested in understanding concepts of equality and justice ➤wants to develop your knowledge of basic legal rights and obligations ➤and is interested in current affairs and significant court cases.
Accounting	<p>Unit One – Role of accounting in business Unit Two – Accounting and decision-making for a trading business</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤is interested in financial data ➤and wants to develop your knowledge of business operations
SCIENCE	
Biology	<p>Unit One – How do organisms regulate their functions Unit Two – How does inheritance impact diversity?</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤has an interest in the workings of the human body ➤wants a better understanding of where life came from and why it will change in the future ➤and is interested in studying health and/or medical sciences or any other aspect of the natural world.
Chemistry	<p>Unit One – How can the diversity of materials be explained? Unit Two – How do chemical reactions shape the natural world?</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤has an interest in science ➤wishes to find out more about how chemistry affects the way we live ➤and wishes to develop their knowledge in how we interact with the environment.
Environmental Science	<p>Unit One – How are the earth’s dynamic systems interconnected to support life? Unit Two – What affects earth’s capacity to sustain life?</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤has an interest in science ➤and is passionate about the environment and enjoys working outside.
Physics	<p>Unit One – How is energy useful to society?</p>

	<p>Unit Two – How does physics help us to understand the world?</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤enjoys understanding theories and applying these to different situations ➤has an interest in understanding how things work, from the creation of rainbows and how the eye works to the electricity that is provided to our homes ➤wishes to understand the very nature of all matter of the universe ➤and has a good grasp of mathematics.
Psychology	<p>Unit One – How are behaviour and mental processes shaped?</p> <p>Unit Two – How do internal and external factors influence behaviour and mental processes?</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤is interested in human behaviour- the way we think, learn, relate and how we become who we are. ➤studying areas of health, health science, or health promotion ➤and using scientific methods to establish what we know about human behaviour.
PERFORMING ARTS	
Drama	<p>Unit One – Introducing performance styles</p> <p>Unit Two - Australian identity</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤loves to watch and perform ➤likes to create characters, enjoys workshop processes, feels comfortable with research and writing/ scripting work. ➤and wishes to enhance your performance and expressive skills.
VISUAL ARTS	
Media	<p>Unit One – Media Forms, Representations and Australian Stories</p> <p>Unit Two –Narrative Across Media Forms</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤is interested in working in the media/communications industry in the future ➤enjoys planning and creating your own media production (a choice of film, photography, radio or print) ➤and enjoys engaging with media products like films, games, podcasts, print and digital media.
Art Creative Practice	<p>Unit One – Interpreting artworks and exploring the Creative Practice</p> <p>Unit Two – Interpreting artworks and developing the Creative Practice</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤likes visual arts and design ➤and is creative and keen to develop their artistic capabilities.
Visual Communication	<p>Unit One – Finding, reframing and resolving design problems</p> <p>Unit Two – Design contexts and corrections</p> <p>Pick this subject if you are someone who:</p>

Design	<ul style="list-style-type: none"> ➤enjoys designing, drawing and problem solving ➤and likes computer graphics and computer design <p>It is advised that to undertake Units 3 and 4,you have completed Units 1 and 2.</p>
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TECHNOLOGY

Agricultural and Horticultural Studies	<p>Unit One- Change and opportunity Unit Two- Growing plants and animals</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤ is interested in the Agricultural and Horticultural industries, including food and fibre production. ➤ and is interested in Animal and Plant production
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Food Studies	<p>Unit One – Food Origins Unit Two –Food Makers</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤is interested in food science ➤enjoys cooking ➤would like to know more about healthy eating and nutrition ➤and is interested in the evolution of food.
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Product Design and Technology (Units 1&2 new study design for 2024)	<p>Unit One – Design Practices Unit Two – Positive impact for end users</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤is interested in designing and making products from various materials such as wood, metal and textiles.
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MATHEMATICS

Foundation Mathematics Units 1&2	<p>Strong emphasis of mathematics in a practical context.</p> <p>Unit 1 and 2:</p> <ul style="list-style-type: none"> ➤Algebra, number & structure ➤Data analysis, probability & statistics ➤Discrete mathematics-Financial and Consumer Mathematics ➤Space & Measurement
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General Mathematics Units 1&2	<p>Preparation for VCE General Mathematics Units 3&4/ VCE Foundation Mathematics Units 3&4</p> <p>Unit 1:</p> <ul style="list-style-type: none"> ➤Data analysis, probability & statistics ➤Algebra, number & structure ➤Functions, relations & graphs ➤Discrete Mathematics - Matrices <p>Unit 2:</p> <ul style="list-style-type: none"> ➤Data analysis, probability & statistics ➤Discrete Mathematics- Graphs & Networks
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	<ul style="list-style-type: none"> ➤ Functions, relations & graphs ➤ Space & measurement
Mathematical Methods Units 1&2	<p>Preparation for Mathematical Methods Units 3&4</p> <p>Units 1 and 2:</p> <ul style="list-style-type: none"> ➤ Functions, relations & graphs ➤ Algebra, number & structure ➤ Calculus ➤ Data analysis, probability and statistics
Specialist Mathematics Units 1&2	<p>In depth study of mathematics</p> <p>Unit 1:</p> <ul style="list-style-type: none"> ➤ Algebra, number & statistics - Proof & number, Graph theory & Logic & algorithms ➤ Discrete mathematics- Sequences & series, Combinatorics & Matrices <p>Unit 2:</p> <ul style="list-style-type: none"> ➤ Data analysis, probability & statistics- Simulation, sampling & sampling distribution ➤ Space & Measurement- Trigonometry, Transformation & Vectors in the plane ➤ Algebra, number & statistics - Complex numbers ➤ Function, relations & graphs

HEALTH AND PHYSICAL EDUCATION

Health and Human Development	<p>Unit One – Understanding Health and Wellbeing</p> <p>Unit Two – Managing Health and Development</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤ has an interest in how humans change over their lifespan and wants to explore the varying factors that influence our health and development ➤ and wants to learn about what is being done globally to improve the health of humans.
Outdoor and Environmental Studies	<p>Unit One – Connections with outdoor environments</p> <p>Unit Two – Discovering outdoor environments</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤ is interested in outdoor activities ➤ has a desire to learn from practical experiences ➤ has an awareness of environmental issues ➤ and likes to contribute to improvements in outdoor environments.
Physical Education	<p>Unit One – The Human Body in Motion</p> <p>Unit Two – Physical Activity, Sport and Society</p> <p>Pick this subject if you are someone who:</p> <ul style="list-style-type: none"> ➤ is active and enjoy physical activity ➤ wants to learn about the body systems ➤ has an interest in factors that influence physical activity.

➤ and is interested in a career in the health fields.

Vocational Education and Training (VET)

VET is studied as an additional subject in Year 10.

- ❖ Certificates take two years to complete, unless otherwise stated.
- ❖ A minimum of 40 hours of work placement is recommended for VET programs, unless otherwise stated.

VET Course Options offered onsite at St Brigid's College

Certificate II in Small Business (Operations/Innovations)

- ❖ VCE VET Program
- ❖ Units 1-4 and ATAR Contribution (increment)
- ❖ Scored Assessment not available. (Unscored)

Potential Career Paths:

- ❖ Retail
- ❖ Business
- ❖ Marketing
- ❖ Finance

Potential Study Paths:

- ❖ Business courses at certificate IV, diploma and degree level

VET Course Options offered offsite through the Wimmera Southern Mallee VET Cluster

For Further information use the following link:

<https://vet.llen.com.au/>

Certificate II in Agriculture

- ❖ VCE VET Program
- ❖ Units 1-4 and ATAR Contribution (increment)
- ❖ Scored Assessment not available. (Unscored)

A minimum of 200 hours of work placement is required. (Integrated into Certificate.)

Potential Career Paths: *WITH OR WITHOUT FURTHER STUDY*

- ❖ Farm hand or Feedlot assistant
- ❖ Shearing shed hand or rouseabout
- ❖ Farm machinery operator/contractor
- ❖ Fencing contractor

FURTHER STUDY LIKELY TO BE REQUIRED

- ❖ Farm overseer/manager
- ❖ Agronomist or Livestock agent
- ❖ Precision Agriculture consultant
- ❖ Agribusiness professional
- ❖ Rural merchandiser or marketing specialist
- ❖ Agricultural research assistant or Scientist

STUDY OPTIONS/CAREER PATHS

- ❖ Certificate III/IV (apprenticeship or full time study)
- ❖ Diploma of Agronomy (full or part time or online)
- ❖ Diploma of Agribusiness
- ❖ Advanced Diploma of Agribusiness management Degree

Location: Longerenong College

<p>Certificate II in Automotive Vocational Preparation</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution (increment) ❖ Scored Assessment not available. (Unscored) 	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Light Vehicle Mechanic ❖ Heavy Vehicle Mechanic Earthmoving & Mobile plant ❖ Automotive Electrician ❖ Motorcycle Mechanic <p>Possible Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate III (apprenticeship) ❖ Certificate IV (post trade) ❖ Diploma
<p>Certificate II in Building and Construction</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution increment) ❖ Scored Assessment not available. (Unscored) 	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Builder ❖ Building Site Manager ❖ Building Inspector ❖ Landscaper <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Carpentry Apprenticeship ❖ Architecture ❖ Building Engineering ❖ Interior Design
<p>Certificate III in Community Services</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution ❖ Scored Assessment available <p>60 hours of work placement is recommended.</p>	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Personal Care Assistant ❖ Support Worker ❖ Customer Service ❖ Child Care Worker ❖ Aged Care Worker ❖ Disability Support Worker <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate III & IV in Child Care ❖ Certificate III & IV in Aged Care ❖ Certificate III & IV in Disability ❖ Diploma of Early Childhood Education
<p>Certificate II in Dance</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution ❖ Scored Assessment available <p>A minimum of 20 days work placement is recommended.</p>	<p>Potential Career Paths:</p> <p>Performance in a variety of dance styles and levels:</p> <ul style="list-style-type: none"> ❖ Elite performance ❖ Choreography ❖ Community dance, theatre and events ❖ Community cultural development ❖ Musical theatre ❖ Dance teaching and management
<p>Certificate III in Early</p>	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Creche Childhood Worker

<p>Childhood Education and Care</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution (increment) ❖ Scored Assessment not available. (Unscored) <p>A minimum of 160 hours of work placement is required.</p>	<ul style="list-style-type: none"> ❖ Early Childhood Educator ❖ Early Childhood Education Team Leader ❖ Family Day Care Worker. <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate III in Early Childhood Education and Care ❖ Diploma of Early Childhood Education and Care ❖ Bachelor of Early Childhood Education ❖ Bachelor of Education
<p>Certificate II in Electrotechnology (Career Start)</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution (increment) ❖ Scored Assessment not available. (Unscored) 	<p>Potential Career Path:</p> <ul style="list-style-type: none"> ❖ Electrician <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Electrical Apprenticeship ❖ Qualified Electrician ❖ Electrical Engineer ❖ Linesperson
<p>Certificate II in Engineering Studies</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution ❖ Scored Assessment available 	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Engineering Tradesperson ❖ Metal Fabrication ❖ Forging, Founding, Structural Steel Erection, ❖ Electroplating, Metal Spinning ❖ Metal Polishing, Sheet Metal Work <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate III Apprenticeship ❖ Certificate IV post trade ❖ Diploma
<p>Certificate II in Furniture Making Pathways</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution (increment) ❖ Scored Assessment available. 	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Furniture Maker ❖ Cabinet Maker ❖ Picture Framer ❖ Wood Machinist ❖ Production Manager ❖ Furniture Designer <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate III (apprenticeship) ❖ Diploma of Building Surveying ❖ Advanced Diploma of Building Design ❖ Bachelor of Architecture
<p>Certificate II in Health Support Services (Client Support)</p>	<p>Potential Career Paths: Following further studies:</p> <ul style="list-style-type: none"> ❖ Nurse ❖ Paramedic
<p>Location: Federation University- Wimmera Campus</p>	
<p>Location: Federation University- Horsham Campus</p>	
<p>Location: Longerenong College</p>	
<p>Location: Wimmera Trade Training Centre- Horsham</p>	

<p>One year VET program</p> <ul style="list-style-type: none"> ❖ Contribution to Unit 1 & 2 levels <p>40 hours of work placement with a Health provider is mandated.</p>	<ul style="list-style-type: none"> ❖ Allied Healthcare Professional <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate III in Individual Support ❖ Diploma of Nursing ❖ Bachelor of Nursing
<p>Certificate II in Horticulture</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution (increment) ❖ Scored Assessment not available. (Unscored) 	<p>Location: Federation University- Wimmera Campus</p> <p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Landscape Gardener ❖ Greenskeeper ❖ Research <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Horticulture ❖ Retail Nursery ❖ Conservation and Land Management ❖ Landscape Gardener (Apprenticeship)
<p>Certificate II in Hospitality (Kitchen Operations)</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution ❖ Scored Assessment available 	<p>Location: Federation University- Wimmera Campus</p> <p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Food and Beverage Attendant ❖ Chef ❖ Cafe Owner/Manager ❖ Kitchen Assistant ❖ Patisserie ❖ Hospitality/Manager <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Hospitality Traineeship ❖ Chef's Apprenticeship ❖ Certificate III in Commercial Cookery ❖ Certificate III in Hospitality- Patisserie
<p>Certificate III in Information Technology</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution ❖ Scored Assessment available 	<p>Location: Wimmera Trade Training Centre- Horsham</p> <p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Software support technician ❖ Website administrator ❖ Network technician ❖ Help desk technician <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Advanced Diploma of Computer Systems Engineering ❖ certificate IV in Information Technology ❖ Diploma of Information Technology ❖ Certificate IV in Information Technology Networking ❖ Diploma of Information Technology Networking
<p>Certificate II in Music Industry</p> <p>One year VET program</p> <ul style="list-style-type: none"> ❖ Contribution to Unit 1 & 2 levels 	<p>Location: Wimmera Trade Training Centre- Horsham</p> <p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Music Performer ❖ Sound Engineer

<p>20 Hours of work placement included in Course.</p>	<ul style="list-style-type: none"> ❖ Producer ❖ Sound/Lighting Technician ❖ Broadcaster ❖ Stage Manager <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate III in Music ❖ Certificate III in Music Business ❖ Certificate III in Technical Production ❖ Certificate IV in Music ❖ Diploma or Bachelor of Music ❖ Diploma or bachelor of Sound Production
<p>Certificate II in Plumbing (pre-apprenticeship)</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution (increment) ❖ Scored Assessment not available. (Unscored) 	<p>Potential Career Paths: Following further study:</p> <ul style="list-style-type: none"> ❖ Qualified Plumber ❖ Plumber and Gas Fitter ❖ Roof Plumber ❖ Small Business Owner <p>Potential Study Path:</p> <ul style="list-style-type: none"> • Apprentice Plumber
<p>Certificate II in Salon Assistant</p> <ul style="list-style-type: none"> ❖ Contribution to Unit 1 & 2 levels <p>40 hours of work placement with a Hairdresser or Beauty Therapist is mandated.</p>	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Hairdresser ❖ Beauty Therapist ❖ Small Business Owner <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Hairdressing Apprentice ❖ Beauty Trainee
<p>Certificate III in Screen and Media</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution ❖ Scored Assessment available <p>A minimum of 20 days work placement is recommended.</p>	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Photography assistant ❖ Community broadcaster ❖ Website designer ❖ Graphic designer ❖ Journalist ❖ Digital video and sound editor ❖ Television production assistant <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate III in Media ❖ Certificate III in Broadcasting ❖ Certificate IV in Broadcasting ❖ Diploma of Interactive Media ❖ Diploma of Professional Games Development
<p>Certificate III in Sport and</p>	<p>Potential Career Paths:</p> <ul style="list-style-type: none"> ❖ Sports Coach

<p>Recreation</p> <ul style="list-style-type: none"> ❖ VCE VET Program ❖ Units 1-4 and ATAR Contribution ❖ Scored Assessment available 	<ul style="list-style-type: none"> ❖ Sports Administrator ❖ Physical Education Teacher ❖ Sports Development Manager ❖ Sports Scientist ❖ Sports Marketing Manager <p>Potential Study Paths:</p> <ul style="list-style-type: none"> ❖ Certificate IV in Fitness ❖ Bachelor of Health and Physical Education ❖ Bachelor of Exercise and Sport Science ❖ Bachelor of Sports Management
<p>Ready for Work Program 20 week program Contributes to VCE VM/VPC program only</p> <p>No Structured Work Placement required</p>	<p>Location: Wimmera Trade Training Centre- Horsham</p> <p>Potential Career Pathways: Completion will help students gain employment or progress into future study:</p> <ul style="list-style-type: none"> ❖ TAFE Certificates ❖ Higher Education Study ❖ Apprenticeships or Traineeship <p>Location: Federation University- Wimmera Campus</p>