

YEARS 9 & 10

*Program and Subject
Selection Guide*

2024



crusoe
COLLEGE

RESPECT

ENDEAVOUR

ASPIRATION

LEARNING

Welcome

Dear Parents, Carers and Students,

Welcome to the Crusoe College 2024 Curriculum Program Guide. The transition from one year to the next is an exciting time and it is important that families take the time to work through the guide together to understand what we offer, what is expected of students in each class and how to access support and advice.

At Crusoe College, we believe in doing all we can to support your child or children to meet their learning needs and develop their preferred pathway into their senior secondary years and beyond.

The curriculum offered at Crusoe College follows the Victorian Curriculum F-10. This curriculum, developed by the Victorian Curriculum and Assessment Authority (VCAA), "is the common set of knowledge and skills required by students for life-long learning, social development and active and informed citizenship". Our curriculum has core subjects that must be completed and modules from which students can choose a variety of learning options. This enables them to be successful, enjoy their study and try new things which may influence their choice of pathways to higher education, training, or employment. We also offer a small range of Victorian Certificate of Education (VCE) and Vocational Educational & Training (VET) subjects for Year 10 students.

As students move through Years 7 – 10 at Crusoe College, they can experience a broad range of subjects, gradually moving towards accessing a greater range of choices during their final year at the college before heading to senior secondary education or other educational institutions and pathways.

It is important to note that we have some subject and module charges. This guide provides information on the cost for each module. The college requests that families pay the module costs before the program starts. Please also note there is a range of modules with no associated costs.

I urge all families to work through the guide and map out a plan for 2024 and beyond. Our staff are available to discuss options and I strongly encourage you to contact your child's Advisory teacher if you have any queries about specific subjects or the selection process.



Simon Wood,
Principal

Program Options and Planning

A typical program from Year 9 to the end of senior schooling takes 4 years and can take many pathways. Students will complete Years 9 and 10 at Crusoe College and then transition to Bendigo Senior Secondary College (BSSC) to complete Years 11 and 12 as part of a VCE certificate. A general pathway from Years 9 to 12 can be seen below.

Year 9 to 12 Course						
Year 9 @ Crusoe College		Year 10 @ Crusoe College		Year 11 @ BSSC	Year 12 @ BSSC	
Compulsory subjects English Maths** Science Humanities Health (one semester)		Compulsory subjects English Maths** Science** Humanities**	→	VCE	→	VCE
Electives *Select 3 or 4 subjects per semester from a broad range of subjects mentioned in this guide **Indicates students may choose from a range of subjects to satisfy this requirement of their program.	→	Electives *Select 3 or 4 subjects per semester from a broad range of subjects mentioned in this guide. A select range of VCE units and VET courses are available for Year 10 students. **Indicates students may choose from a range of subjects to satisfy this requirement of their program.	→	VCE Vocational Major	→	VCE Vocational Major

When choosing a course for your program, it is important to:

- Consider your **pathway** after completing Year 12. If you think you would like to attend university or TAFE, a program aimed at completing prerequisite subjects and subject areas is an important factor. If you do not yet know your pathway or would like to keep your options open. If you have a vocational pathway, think about subjects that complement this pathway.
- Identify your **passions** and strengths and link these with appropriate work/career choices.
- Seek help from teachers regarding **prerequisite** subjects you may need for university courses that interest you.

COURSE RESTRICTIONS

Electives offered throughout this Curriculum Program Guide will only run if minimum class sizes are met. Students should note that some subjects have specific requirements or prerequisites. These are indicated on subject pages where applicable. Crusoe College will make decisions about running subjects based on the demand and resources for each subject. Subjects selected by a small number of students may be withdrawn. When a subject is withdrawn, students will be notified, and their backup subject choices will be used and/or further course counselling will be undertaken.

Learning Pathways

The Curriculum Program Guide identifies Learning Pathways for each Learning Domain.

Each Learning Pathway is **not a prescribed combination of units, but a suggested package**. Use the Pathways sections in each Domain Area as a guide to help you in constructing your own learning pathway from Year 9 through to the end of Year 12. You are free to choose any combination of subjects you like, within the parameters outlined. Consult your parents, teachers, and Advisory Teacher.

Why Learning Pathways?

- To assist you and your parents to see the connection between Years 9 and 10 subjects, VCE units and VET courses.
- To provide a framework for you to understand and plan your learning programs.
- To assist you in developing a purpose and direction with your studies program.
- To give a career/vocational focus to your learning programs.

How to Use the Pathways?

The Learning Pathways are meant as a **guide** and are not meant to be exhaustive or prescriptive. Very few VCE Units have pre-requisites however many important learning skills can be developed through undertaking a broad learning program that maintains all options for further study.

Choosing Subjects

When considering subjects and units you should ask yourself the following questions:

- Do I like the subjects I have chosen? (Experience shows that you do better if you are undertaking subjects or units you enjoy.) Avoid choosing subjects because your friends are doing them.
- Do I have an idea of the field of work that most interests me?
- How do these subjects or units relate to my chosen area of interest?
- Do I have a broad choice next year or have I locked myself into a narrow field of subjects?

Consult, Question and Discuss

- Discuss your potential options with your parents. You will need to acknowledge on your subject selection form that you have discussed your choices with your parent/s. Any future pathway changes will also be acknowledged by a parent.
- Seek out teachers of your subjects or consult current teachers for information. Sometimes the best source of information on a subject is the current students.

Co-contribution Payment for Elective Subjects

Details of co-contributions payments for elective subjects will be published in Term 4.

Program Selection Process

- Students will be required to fill in an online Program Selection form.
- Students will select subjects for Semester 1 and Semester 2. Please note that there will be minimal opportunity for students to change their program mid-year.
- Students will then enter their subject selections online.
- A letter confirming the student's selections will be sent home in Term 4 for parents to sign and return.

Domains

Listed below are all the current subjects available for students, categorised in Domains.

All **compulsory** subjects will have the word “**Compulsory**” next to them. All other subjects are **electives**. Some **electives** are specifically for Year 9 or Year 10 students or can be taken by both Year 9 & 10 students. Subjects **written in RED text** can only be completed once over the Year 9/10 enrolment period.

If you are viewing this digitally, please click on the subject name below to be taken to that page in the document

English: Pages 6-7	Semester	Year	Mathematics: Pages 8-10	Semester	Year
<p>Core: Year 9 English (Compulsory) S 1 & 2 9 Year 10 English (Compulsory) S 1 & 2 10 English as an Additional Language* S 1 & 2 9 & 10</p> <p>Electives: Year 9 & 10 English: Creative Writing S 1 9 & 10 English: Literature S 2 9 & 10</p> <p>Year 10 only English: Language (Pre VCE) S 2 10 English: Literacy Support* S 1 & 2 9 & 10</p> <p><i>*For identified students only.</i></p>			<p>Core: Year 9 choose one from Maths Core (Compulsory) S 1 & 2 9 Advanced Maths* (Compulsory) S 1 & 2 9</p> <p>Year 10 choose one from General Maths (Compulsory) S 1 & 2 10 Advanced Maths*(Compulsory) S 1 & 2 10</p> <p>Electives: Year 9 only Challenge Maths S 1 & 2 9</p> <p><i>*For identified students only</i></p>		
Humanities: Pages 11-13	Semester	Year	Science: Pages 14-16	Semester	Year
<p>Core: Humanities (Compulsory) S 1 & 2 9</p> <p>Year 10 Compulsory - Choose two of History 1 – 1900-1945 S 1 10 History 2 - 1945-Present Day S 2 10 Introduction to Legal Studies & Politics S 1 10 Introduction to Geography S 1 10 Introduction to Philosophy & Sociology S 2 10 Introduction to Business World S 1 or 2 10</p> <p>Electives Year 9 & 10 Australian History S 1 9 & 10</p> <p>Year 9 only Introduction to Mythology S 1 or 2 9</p> <p>Year 10 only Introduction to Ancient History (Pre VCE) S 2 10</p> <p>VCE subjects: Business Management Units 1 & 2 S 1 & 2 10</p>			<p>Core: Year 9 Science (Compulsory) S 1 & 2 9</p> <p>Year 10 Compulsory - Choose two of Biology S 1 or 2 10 Chemistry S 1 or 2 10 Physics 1 10 Psychology S 1 or 2 10 Environmental Science 2 10 Science: General (EAL/Literacy Support)* S 1 & 2 10</p> <p>Electives Year 9 & 10 Projects in Science S 1 or 2 9 & 10</p> <p>Year 9 only Science: Forensics S 1 or 2 9</p> <p>Year 10 only Science: Astronomy S 1 or 2 10</p> <p><i>*For identified students only</i></p>		

Health & PE: Pages 17-19	Semester	Year	Languages: Pages 20-21	Semester	Year
Core: Health (Compulsory for one semester)	S 1 or 2	9	Electives Year 9 & 10 Chinese French German	S 1 & 2 S 1 & 2 S 1 & 2	9 & 10 9 & 10 9 & 10
Electives Year 9 & 10 PE: General PE: Specialised PE: Match Fit PE: Volleyball Squad* Year 9 only PE: Advanced Year 10 only PE: The Great Outdoors Introduction to Sport and Recreation VCE subjects: Health & Human Development Units 1 & 2 Physical Education Units 1 & 2 <i>*A selection process to access this course will take place.</i>	S 1 &/or 2 S 1 &/or 2 S 1 &/or 2 S 1 &/or 2 S 1 &/or 2 S 1 &/or 2 S 1 & 2 S 1 & 2 S 1 & 2 S 1 & 2	9 & 10 9 & 10 9 & 10 9 & 10 9 10 10 10 10			
Arts / Perf. Arts: Pages 22-25	Semester	Year	Technology: Pages 26-30	Semester	Year
Electives Year 9 & 10 Introduction to Photography Advanced Photography General Art Production Music Visual Communication and Design Year 9 only Animation Gamemaker Drama Introduction to Movie Making Year 10 only Drama School Magazine Art Making and Exhibiting (Pre VCE) - 3D Sculpture Advanced Movie Making Art Making and Exhibiting (Pre VCE) - Painting and Drawing	S 1 or 2 S 1 or 2 S 1 or 2 S 1 & 2 S 1 or 2 S 1 or 2 S 1 or 2 S 1 S 2 S 1 or 2 S 1 or 2 S 1 S 1 or 2 S 2	9 & 10 9 & 10 9 & 10 9 & 10 9 & 10 9 & 10 9 9 9 9 10 10 10 10 10	Electives Year 9 & 10 Digital Tech & Design Project Building Skate Deck Café Foods Food Technology Food Trends Year 9 only Introduction to Woodwork Introduction to Welding Introduction to Textiles Introduction to Baking Year 10 only Coding Advanced Welding Automotive Furnishing (Pre VCE) Advanced Baking Advanced Textiles VCE subjects: Food Studies Units 1 & 2	S 1 & 2 S 1 & 2 S 1 & 2 S 1 S 1 S 2 S 1 or 2 S 1 or 2 S 1 or 2 S 1 or 2 S 1 S 1 or 2 S 1 or 2 S 1 or 2 S 1 or 2	9 & 10 9 & 10 9 & 10 9 & 10 9 & 10 9 & 10 9 9 9 9 10 10 10 10 10 10 10
Special Programs: Pages 31-32	Semester	Year			
Energy Breakthrough Volleyball Squad Headstart	S 1 & 2 S 1 & 2 S 1 & 2	9 & 10 9 & 10 10			
VCE Subjects: Page 33-34	Semester	Year	Vocational Education & Training (VET) Programs: Page 35	Semester	Year
Units 1 & 2 Business Management Units 1 & 2 Food Studies Units 1 & 2 Health & Human Development Units 1 & 2 Physical Education	S 1 & 2 S 1 & 2 S 1 & 2 S 1 & 2	10 10 10 10	Animal Studies Automotive Building and Construction Community Services Electro Technology Engineering Studies Kitchen Operation Salon Assistant	S 1 & 2 S 1 & 2 S 1 & 2 S 1 & 2 S 1 & 2 S 1 & 2 S 1 & 2 S 1 & 2	10 10 10 10 10 10 10 10

Key School Contacts



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Principal



Richelle Hollis
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Learning & Teaching



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Assistant Principal
Engagement & Wellbeing



Duane Anderson
Curriculum, Data & Assessment
Leader



Matthew Plathe
Community Leader
Dyson



Sam Mills
Community Leader
Ipsen



Ellen McGrath
Community Leader
White



Harry Symons
Community Leader
Yates



Joel McLean
Wellbeing Leader



Peter Tyack
Head Start
Coordinator

Pathway

ENGLISH

The subject English is a compulsory subject for all students across Years 9 & 10.

In Year 9, students will undertake Year 9 Core English. This leads into Year 10 English, and then into the different VCE strands of English in Years 11 & 12.

In Year 10, most students will complete Year 10 English which leads into any of the VCE English Pathways: English, English Language or Literature. In Term 1, Year 10 students completing the English Pathway course will choose from three main text groups.

Students are also offered an English Literature Module, an English Language Module, and a Creative Writing Module, which they may select in addition to their core English. English Literature provides students with the opportunity to explore texts in more depth. Creative Writing allows students who enjoy creative writing to develop their writing skills further. English Language looks at the study of the English language including, language acquisition and development as children and how English has developed over time.

We recognise that a number of our students have learning difficulties and require support with the development of their literacy skills. Students requiring Literacy Support or English as an Additional Language will be approached by our Literacy and EAL teachers to undertake these programs.

English Pathways						
Year 9		Year 10		Year 11	Year 12	
Year 9 Core English (Compulsory)	→	Year 10 English (Compulsory)	→	VCE English Units 1 & 2	→	VCE English Units 3 & 4
			→	VCE English Language Units 1 & 2	→	VCE English Language Units 3 & 4
		Year 10 English Language (Pre VCE) Elective	→	VCE English Language Units 1 & 2	→	VCE English Language Units 3 & 4
Year 9/10 English Literature Elective			→	VCE Literature Units 1 & 2	→	VCE Literature Units 3 & 4
Year 9/10 Creative Writing Elective			→	VCE English Units 1 & 2	→	VCE English Units 3 & 4
Year 9/10 Literacy Support* (in lieu of compulsory English)			→	VCE English* Units 1 & 2	→	VCE English* Units 3 & 4
Year 9/10 English as an Additional Language**			→	VCE English as an Additional Language Units 1 & 2	→	VCE English as an Additional Language Units 3 & 4

*Please note: only students who have been identified through additional testing as requiring Literacy Support will be able to undertake this subject. Their VCE English pathway may involve VCE Vocational Major Literacy.

**Please note: only students identified as requiring further development with their English language skills will be able to undertake this subject.

CORE UNITS

Year 9 English

This subject is compulsory for all Year 9 students.

In this subject, you will read and respond to texts. Students discuss ideas about our world and the people who shape it and consider themes of justice, equality, and hope. Students also write creative and analytical texts and present their writing for different purposes and audiences.

Year 10 English

This subject is compulsory for all Year 10 students.

In this subject, you will read and respond to texts. Students discuss ideas about our world and the people who shape it and consider themes of justice, equality, and hope. Students also write creative and analytical texts and present their writing for different purposes and audiences.

ELECTIVE OPTIONS

Year 9/10 English: Creative Writing

In this subject, Students will explore different types of narrative writing structures before creating their own narrative piece. Students will read and analyse the structures and language features of a range of narrative texts, write using the required structure and language and produce a major writing piece.

Year 9/10 English: Literature

In this subject, students read a wide range of texts before responding in discussion and writing to the ideas and 'worlds' of the texts. There are opportunities for students to discover texts and ideas that are new and challenging, and to discuss ways that stories, plays or poetry tell us things about our own world. This subject will help you prepare for VCE Literature, which is one of the English subject options in Year 11 and 12.

Year 10 English: Language (Pre VCE)

In this subject, students study why English Language is the way it is. If you've ever wondered about the history of English, or if you've ever been curious about the 'science' of language, then this might be the subject for you. This subject will help you get ready for VCE English Language, which is one of the English options in Year 11 and 12. This subject stream is a great choice for students who already study another language, or who are interested in studying speech pathology or sociology.

Pathway

MATHEMATICS

The subject Mathematics is a compulsory subject for all students across Years 9 & 10.

In Year 9, all students will undertake Year 9 Core Mathematics or Year 9 Advanced Maths. This leads to a variety of different Year 10 or VCE Mathematics subjects available at Crusoe College. At the Year 9 level, students are also offered an elective Module of Challenge Maths. This course is for students who are working at or above the expected level of Year 9 Maths and would like to continue with either Advanced Maths or VCE Maths in Year 10. It is strongly recommended that students select Challenge Maths in both semesters one and two.

Note

In Year 10, students select either Year 10 General Maths, Year 10 Advanced Maths or VCE Maths. These prepare students for different VCE pathways in Years 11 & 12 depending on subjects completed in Years 9 & 10.

Students wishing to complete Units 1 & 2 of VCE Specialist Maths in Year 10 must have completed Year 10 Advanced Maths in Year 9.

Students considering Maths Methods in Year 11 are strongly recommended to have completed Year 10 Advanced Maths prior to Year 11.

Students are advised to pick the highest level of Maths based on their point of need. Students may be able to change subjects if they find the subject too difficult.

From 2023, the subject formerly known as Further Maths Units 3 & 4 is now known as General Maths Units 3 & 4

Mathematics					
Year 9		Year 10		Year 11	Year 12
Year 9 Core Maths	→	Year 10 General Maths	→	Option A: VCE General Maths Units 1 & 2	VCE General Maths Units 3 & 4
				Option B: VCE Foundation Maths Units 1 & 2	VCE Foundation Maths Units 3 & 4
Year 9 Advanced Maths with or without Challenge Maths	→	Year 10 Advanced Maths	→	VCE General Maths Units 3 & 4 and/or VCE Maths Methods Units 1 & 2	VCE General Maths Units 3 & 4 (If not completed in Year 11) and/or VCE Maths Methods Units 3&4
				VCE Specialist Maths Units 1 & 2 and/or VCE Maths Methods Units 1 & 2	VCE Specialist Maths Units 3 & 4 and/or VCE Maths Methods Units 3&4

CORE UNITS

Year 9 Core Mathematics

This subject (or Advanced Maths) is compulsory for all Year 9 students.

In this subject, students consolidate and continue to build their understanding of the basics of the Mathematics curriculum (building upon mathematical competence developed in previous years). This course gives the opportunity to students to review and apply the basics of the Mathematics curriculum to practical and diverse contexts.

Year 10 General Mathematics

This subject (or Advanced Maths) is compulsory for all Year 10 students.

In this subject, students consolidate and continue to build their understanding of the basics of the Mathematics curriculum (building upon mathematical competence developed in previous years). This course gives the opportunity to students to review and apply the basics of the Mathematics curriculum to practical and diverse contexts.

Year 9 Advanced Mathematics

Students must have their enrolment in this subject endorsed by their Year 8 Maths teacher.

In this subject, students build upon their Mathematics and Numeracy skills working at a higher level than peers in Core Maths. This class mixes skills work with applied problem solving in several different contexts whilst accelerating student progress in preparation for Advanced Maths Year 10.

Year 10 Advanced Mathematics

Students must have their enrolment in this subject endorsed by their Year 9 Maths teacher.

In this subject, students consolidate and build on their understanding of graphing, solving, and manipulating linear and simultaneous equations. They review prior knowledge of index laws and are introduced to the concept of surds as irrational numbers. Students build on their previous knowledge of Trigonometry. They explore boxplots and scatterplots as ways of representing data and investigate the effect of outliers on mean and standard deviation. Students solve problems involving the surface area and volume of various three-dimensional solids. They assign probabilities to outcomes and determine probabilities of events. Students solve and sketch quadratic equations. They extend their understanding of trigonometry to include the Unit circle and graphs of trigonometric functions. Students are assessed on a series of tests, assignments, and exams.

ELECTIVE OPTIONS

Year 9 Challenge Maths

Challenge Mathematics challenges students to think more deeply about mathematical ideas. The subject consists of four topics, one/term. The four topics are: indices, quadratic functions, trigonometry, and logarithms. Assessment will consist of 3 KATS per semester, some assignments, and regular homework.

University Courses that require VCE Maths Methods or VCE Specialist Maths

PLEASE NOTE –

1. Many other courses list “any maths” as a prerequisite in Year 11 or Year 12. It is very important to check the Maths requirement for preferred courses.
2. Course Prerequisites change frequently – it is the responsibility of the students and parents to check the required subjects before finalising their VCE subjects. Please do not rely solely on this table.

The University of Melbourne	Biomedicine Commerce Science
Monash University	Actuarial Science Biomedical Science Commerce Computer Science Economics Aerospace Engineering Engineering – all specialties Software Engineering Finance Pharmaceutical Science Pharmacy Physiotherapy Radiography and Medical Imaging Science
Deakin University	Engineering – all specialties
Federation University	Engineering – all specialties Games Development Mathematical Science Software Development
La Trobe University	Engineering – all specialties Computer Science
Swinburne University	Aviation Aviation and Piloting Engineering – all specialties (except Engineering Practice)
RMIT University	Analytics Biomedical Science/Biotechnology Computer Science Engineering – all specialties IT (Games and Graphics Programming) Medical Radiations Nanotechnology/Applied Sciences Science Statistics Surveying

Many other courses list “any maths” as a prerequisite in Year 11 or Year 10. It is very important to check the Maths requirement for preferred courses.

Course prerequisites change frequently – it is the responsibility of the students and parents to check the required subjects before finalising their VCE subjects. Please do not rely solely on this table.

Pathway

HUMANITIES

The subject Humanities is a compulsory subject for all students across Years 9 & 10.

In Year 9, all students will undertake Year 9 Humanities. This leads to a variety of different Humanities modules across Year 10.

In Year 10, students will complete two semesters of Humanities modules. Students select modules in the areas of History, Geography, Legal Studies, Business Studies, and Sociology. These subjects provide a good basis leading into Humanities subjects in Years 11 & 12.

There are also a number of elective modules available in the Humanities domain for students passionate about extending their knowledge in these areas.

Humanities						
Year 9		Year 10		Year 11 Units 1 & 2		Year 12 Units 3 & 4
Humanities (Compulsory)	→	Introduction to Legal Studies & Politics	→	VCE Units 1 & 2 Australian Politics	→	VCE Units 3 & 4 Global Politics or National Politics
			→	VCE Units 1 & 2 Legal Studies	→	VCE Units 3 & 4 Legal Studies
	→	History 1: 1918-1946 History 2: 1946-Present Day	→	VCE Units 1 & 2 Modern History or Ancient History or Classical Studies	→	VCE Units 3 & 4 History of Revolutions or Australian History or Ancient History or Classical Studies
			→	VCE Units 1 & 2 Business Management or VET Certificate II Business	→	VCE Units 3 & 4 Business Management or VET Certificate II Business Or VCE Units 3 & 4 Industry & Enterprise
	→	Introduction to Business World	→	VCE Units 1 & 2 Accounting	→	VCE Units 3 & 4 Accounting
			→	VCE Units 1 & 2 Economics	→	VCE Units 3 & 4 Economics
	→		Introduction to Philosophy & Sociology	→	VCE Units 1 & 2 Philosophy	→
		→		VCE Units 1 & 2 Sociology	→	VCE Units 3 & 4 Sociology
	→	Introduction to Geography	→	VCE Unit 1 & 2 Geography	→	VCE Units 3 & 4 Geography
	→	VCE Units 1 & 2 Business Management	→	VCE Units 3 & 4 Business Management		
Introduction to Mythology Elective	→	Introduction to Ancient History (Pre VCE) Elective	→	VCE Units 1 & 2 20 th Century History or Ancient History or Classical Studies	→	VCE Units 3 & 4 History of Revolutions or Australian History or Ancient History or Classical Studies
Year 9/10 Australian History						

CORE UNITS

Year 9 Humanities

This subject is compulsory for all Year 9 students.

In this subject, students will cover the general areas of Year 9 Humanities, History, Geography, Economics and Business and Civics and Citizenship. Students will cover the History learning of the Industrial Revolution to the end of World War 1(1750-1918), the Geography learning of Biomes, Food Security and Global Interconnections, the Economics and Business learning of Personal Finances and the Civics and Citizenship learning of Australian Government and Legal Systems.

Year 10 Humanities: History 1 - 1918-1946

This subject cannot be repeated.

This subject is recommended to be completed prior to History 2 - 1946-Present day.

In this subject, students will cover the history timeline covering 1918-1946. This history will cover the fallout from World War 1 through to the end of World War 2. It will look at the topics of The Great Depression, The Causes of World War 2, and The Events of World War 2.

Year 10 Humanities: History 2 - 1946-Present day

This subject cannot be repeated.

This subject is recommended to be completed after History 1 - 1918-1946

In this subject, students continue from History 1 and follow the history timeline covering 1946-Present. This history will cover Post World War 2 Australia. It will look at the topics and units of; Rights and Freedoms, The Vietnam and Cold Wars and Australian Popular Culture.

Year 10 Humanities: Introduction to Philosophy & Sociology

This subject cannot be repeated.

In this subject, students investigate the disciplines of Philosophy and Sociology. Students also examine the concept of youth and relationships, along with the influence and impact that the media has on them. Students will investigate the different social categories, gather information to develop their viewpoint and exchange opinions with others. Students will also look at past philosophers, philosophies and how they have shaped thinking.

Year: 10 Humanities: Introduction to Geography

This subject cannot be repeated.

In this subject, students identify different types of environmental changes, investigate the causes and consequences of an environmental change, and analyse human responses to environmental management. Students investigate reasons and consequences for spatial variations in human wellbeing on a regional scale comparing India or one country in the Asia region and Australia. They look at initiatives to improve human wellbeing by undertaking an inquiry-based investigation into a wellbeing issue of their choice.

Year 10 Humanities: Introduction to Legal Studies & Politics

This subject cannot be repeated.

In this subject, students look at criminal law and its impact on Australian society. They will examine various case studies, the offence committed, and the punishment provided. Students look at Australian political parties, elections, and interest groups. The subject continues by exploring if the current justice system is effective and are the punishments a sufficient deterrent. Students will analyse the effectiveness of the current system and complete a reflection of the law in practice following an excursion to the law courts. Students will also look at various aspects of civil law and the process used by parliament to make new laws.

Year 10 Humanities: Introduction to Business World

This subject cannot be repeated.

In this subject, students study the main concepts of business management. Students examine the characteristics of small businesses focusing on both internal and external environments. Students will continue investigating the main concepts of economics and accounting.

ELECTIVE OPTIONS

Year 9/10 Humanities: Australian History

This subject cannot be repeated.

In this unit, students will study Australian history in a national context, particularly Aboriginal and Torres Strait Islander peoples and culture, colonial settler society and the development of the Port Phillip District.

Year 9 Humanities: Introduction to Mythology

This subject cannot be repeated.

In this subject, students will cover 3 aspects of Historical Mythology, Greco-Roman, Norse/Germanic, and Celtic/Modern. The units will cover the mythological stories of these civilisations, and how these mythologies have influenced each other and wider society. The Celtic/Modern unit will investigate the ways in which mythologies have influenced literature and famous books.

Year 10 Humanities: Introduction to Ancient History (Pre VCE)

This subject cannot be repeated.

In this subject, students will look at ancient civilisations including Ancient Egypt, the physical environment, pyramids, and other figures. Students will also complete elements of practical assessments in archaeology. This subject can be seen as “history with some prac”. This subject will prepare students for VCE Ancient History units 1 & 2 in Year 11.

VCE UNITS

VCE Units 1 & 2 Business Management

Students interested in completing VCE Units 1 & 2 Business Management, see pages 35-36 for further information.

Pathway

SCIENCE

The subject Science is a compulsory subject for all students across Years 9 & 10. In Year 9, all students will undertake Year 9 Core Science. This leads into a variety of different Science modules across Year 10. At Year 9 and 10 level, students are also offered a range of modules in Science which aren't compulsory.

In Year 10, students will complete two semesters of Science modules. Students considering a science pathway in VCE are advised to select the subjects that follow this pathway in Year 10 for the best possible preparation.

Science						
Year 9		Year 10		Year 11		Year 12
Year 9 Core Science Compulsory	→	Compulsory Students pick two of the subjects from the options below. Option 1: Biology (Pre-VCE)	→	VCE Biology Units 1 & 2 or VET Certificate II Animal Studies or VET Cert. II or III Agriculture	→	VCE Biology Units 1 & 2 or VET Certificate II Animal Studies or VET Cert. II or III Agriculture
	→	Option 2: Environmental Science (Pre-VCE)	→	VCE Environmental Science Units 1 & 2	→	VCE Environmental Science Units 3 & 4
	→	Option 3: Psychology (Pre-VCE)	→	VCE Psychology Units 1 & 2	→	VCE Psychology Units 3 & 4
	→	Option 4: Physics (Pre-VCE)	→	VCE Physics Units 1 & 2	→	VCE Physics Units 3 & 4
	→	Option 5: Chemistry (Pre-VCE)	→	VCE Chemistry Units 1 & 2	→	VCE Chemistry Units 3 & 4
Forensics Elective Non-Compulsory	→	Astronomy Elective Non-Compulsory	→	VCE Chemistry Units 1 & 2 Or VCE Physics Units 1 & 2* When combined with the appropriate "Pre VCE" subject	→	VCE Chemistry Units 3 & 4 Or VCE Physics Units 3 & 4
Projects in Science Elective Non-Compulsory			→	All VCE Sciences Units 1 & 2* When combined with the appropriate "Pre VCE" subject	→	All VCE Sciences Units 3 & 4* Corresponding to your Year 11 choice.

CORE UNITS

Year 9 Science

This subject is compulsory for all Year 9 students.

In this subject, students explore the physical world around them including the effect of forces on motion and real-life examples of Newton's Laws. They explore the properties of magnets and how electricity and magnetism are related. Students study Genetics to learn how traits are inherited from one generation to the next. They explore some ethical issues related to the topic of genetics. They investigate how organisms are adapted to their environments and how populations can evolve over time through the process of natural selection.

Year 10 Science: Biology

Year 10 students must choose any two units of Science as compulsory units.

This subject is aimed at those wanting to continue with Biology at the VCE level.

In this subject, students consolidate their knowledge of genetics by undertaking research on current genetic technologies. They examine the ethics of these issues and write a persuasive essay. Students study the theory of evolution by natural selection and the diversity of living things. Students learn that ecosystems consist of communities of interdependent organisms and abiotic components and biotic components and how matter and energy flow through these systems.

Year 10 Science: Chemistry

Year 10 students must choose any two units of Science as compulsory units.

This subject is aimed at those wanting to continue with Chemistry at the VCE level.

In this subject, students develop an understanding of safety in chemistry and the use of MSDS. They review the periodic table and the basic structure of atoms. They work on the development of practical skills in chemistry and investigate chemical bonding. Students will investigate chemical bonding and basic organic chemical structures and investigate and report on the chemistry behind plastics and fossil fuels.

Year 10 Science: Environmental Science

Year 10 students must choose any two units of Year 10 Science as compulsory units.

This subject is aimed at those wanting to continue with Environmental Science at the VCE level.

In this subject, students explore the relationship between organisms and their environment. Students will explore the ecosystem, pollution, biodiversity, and the impacts of humans on the planet earth.

Year 10 Science: Physics

Year 10 students must choose any two units of Year 10 Science as compulsory units.

This subject is aimed at those wanting to continue with Physics at the VCE level.

In this subject, students measure a range of quantities using appropriate equipment and use data to make valid conclusions. They understand the relationship between force, mass, and acceleration. Students investigate how energy is responsible for the changes observed in physical processes and applications such as electromagnetism, the polarisation of light and of electronic systems.

Year 10 Science: Psychology

Year 10 students must choose any two units of Year 10 Science as compulsory units.

This subject is aimed at those wanting to continue with Psychology at the VCE level.

In this subject, students investigate the structure of the brain, including the cells that make it up. They then link these structures to the functions they carry out. Students explore the current understanding of how their memory works and why eyewitnesses are no longer considered reliable evidence. They also gain an understanding of how the perception of a stimulus is processed and can be altered due to mood and experiences.

Year 10 Science: General (EAL/Literacy Support)

Year 10 students must choose any two units of Year 10 Science as compulsory units.

This subject is for identified students only.

In this subject, students investigate all areas of Science whilst providing additional Literacy support for EAL students and identified low literacy students. Students will be identified for this class by Crusoe College staff.

ELECTIVE OPTIONS

Year 9/10 Science: Projects in Science

In this subject, students will look at projects from all areas of Science in a hands-on, engaging class. These projects may differ on class interests and will relate to all areas of STEAM (Science, Technology, Engineering, Arts and Maths).

Students wanting to complete a number of projects over a semester are encouraged to consider this subject.

Year 9 Science: Forensics

This subject cannot be repeated.

In this subject, students will investigate the role of trace evidence found at the crime scene. They will use practical techniques to remove, expose, analyse, and compare samples of different types of trace evidence. They will look at a number of case studies.

Year 10 Science: Astronomy

This subject cannot be repeated.

In this subject, students will explore astronomical distances and compare objects in the night sky. They become familiar with the Big Bang theory and investigate the uses of space probes and satellites. Students investigate the forces needed to launch rockets and research the history of rocketry. They also become familiar with what is needed to live in space.

Pathway

HEALTH AND PE

Health & Physical Education subjects are elective modules in Years 9 & 10.

In Years 9 & 10, students can select from a range of different Health & PE subjects. Students of Year 10 also have the option to select Units 1 & 2 VCE PE or Units 1 & 2 Health & Human Development. Find further information about VCE Physical Education and VCE Health & Human Development in the VCE section of this Subject Guide.

Physical Education & Health and Human Development						
Year 9		Year 10		Year 11		Year 12
Volleyball Squad or PE: General or PE: Match Fit or PE: Specialised			→	VCE PE Units 1 & 2	→	VCE PE Units 3 & 4
Year 9 Health Studies			→	VCE Health & Human Development Units 1 & 2	→	VCE Health & Human Development Units 3 & 4
Year 9/10 Advance or Year 10 PE: The Great Outdoors			→	VCE Outdoor & Environmental Studies Units 1 & 2	→	VCE Outdoor & Environmental Studies Units 3 & 4
			→	VET Certificate III Outdoor Recreation Units 1 & 2	→	VET Certificate III Outdoor Recreation Units 3 & 4
Volleyball Squad or PE: General or PE: Match Fit or PE: Specialised	→	Introduction to Sport & Recreation	→	VET Certificate III Sport & Recreation Units 1 & 2	→	VET Certificate III Sport and Recreation Units 3 & 4
Year 9 Health Studies	→	VCE Health & Human Development Units 1 & 2	→	VCE Health & Human Development Units 3 & 4		
PE: Match Fit or PE: Specialised or PE: Advanced	→	VCE PE Units 1 & 2	→	VCE PE Units 3 & 4		

CORE UNITS

Year 9 PE: Health Studies

This subject is compulsory for all Year 9 students for one semester.

In this subject, students will be introduced to the three components of Health: social, emotional, and physical. Students explore each of the components and will include the topics of 'Drugs in Society' and 'About Alcohol'. Students will explore issues relating to sexuality and relationships, like contraception, sexually transmitted infections, and teenage pregnancy.

ELECTIVE OPTIONS

Year 9 PE: Advanced

In this subject, students will complete an accelerated program to best prepare them for VCE PE units 1 & 2 in Year 10, with a focus on 'Court Sports'. Students adjust each game to better cater for the ability and skill level of all class members involved. Each game allows students to consider the rules, activity level, tactics and teamwork involved to succeed. Students explore 'Drugs in Sport' and 'Australian's Sporting History' as their theoretical topic.

Year 9/10 PE: General

In this subject, students explore a number of minor games, with a focus on 'Court Sports'. Students adjust each game to better cater for the ability and skill level of all class members involved. Each game allows students to consider the rules, activity level, tactics and teamwork involved to succeed. Students explore 'Drugs in Sport' and 'Australian's Sporting History' as their theoretical topic.

Year 9/10 PE: Specialised

In this subject, students participate in practical PE classes in which they learn about various sports, improve, and develop their skills and learn about different lifestyles and physical activities. Students also complete theory units, in which they learn about lifestyle factors that can positively and or negatively impact their health, as well as health issues related to them and how they can impact their lives.

Year 9/10 PE: Match Fit

Additional fees may apply for non-compulsory excursions.

In this subject, students will undertake a range of different training sessions focussing on strength, muscular endurance, and cardiovascular endurance. They will learn different exercise techniques and how to safely utilise various types of equipment and training implements. The theory components look at methods to improve performance and how to maximise the body's natural athletic abilities.

Year 10 PE: The Great Outdoors

In this subject, students participate in a range of different outdoor activities for enjoyment, adventure, health and well-being, fitness, and socialisation. Students are assessed on their active participation in a range of activities as well as their knowledge of nature and minimal impact on land use. Students also have the opportunity to attend an end-of-semester expedition.

Year 10 PE: Introduction to Sport & Recreation

In this subject, students will learn skills and attitudes associated with those needed to be successful to PROVIDE activities in the Sport and Recreation Industry. Areas such as OH&S, First Aid and Emergency Management, Coaching and contributing to Recreational Events will be part of the practical and written curriculum. Semesters one and two will include some repeat and some different curriculum and can be selected in isolation or as a progression. No pre-requisites other than an interest in providing or leading Sport and Recreation activities is needed.

VCE UNITS

VCE Units 1 & 2 Physical Education

Students interested in completing VCE Units 1 & 2 Physical Education, see pages 35-36 for further information.

VCE Units 1 & 2 Health and Human Development

Students interested in completing VCE Units 1 & 2 Health and Human Development, see pages 35-36 for further information.

Pathway

LANGUAGES

Languages subjects are elective modules in Years 9 & 10. To learn a foreign language at the VCE level, students must undertake two years of continual language learning in their selected language in Years 9 & 10.

Students wanting to pursue a VCE Pathway with Languages should continue with the Language they have learned in Years 7 & 8. Students wanting to start learning a new language in Years 9 & 10 will need to speak directly with the teacher for that language before enrolling in the subject

The language choices on offer are:

- French
- German
- Chinese

Learning a foreign language opens a whole new world of exciting opportunities and possibilities. Extensive research shows the benefits of learning a second language.

According to the Department of Education & Training, “learning a language can make children better thinkers, better communicators and better global citizens”.

Learning a language:

- Helps students develop literacy skills by developing their critical language skills, understanding sentence structure and grammar, as well as providing a focus on spelling.
- Develops “global citizens” and teaches students about other cultures and other ways of living and thinking.
- Assists students in travelling and communicating with others.
- Develops overall school performance by encouraging creativity.

Students learn history and culture through their language students and how these connect with each other.

It should be noted that students who complete a language study in Year 12 receive significant bonus marks towards their ATAR score as all languages are scaled up.

Languages Pathways						
Year 9		Year 10		Year 11		Year 12
Year 9 Languages - French - German - Chinese	→	Year 10 Languages - French - German - Chinese	→	Units 1 & 2 VCE LANGUAGES - French - German - Chinese	→	Units 3 & 4 VCE LANGUAGES - French - German - Chinese

ELECTIVE OPTIONS

Year 9/10 Languages: Chinese

This subject can be repeated as different content is covered each year.

In this subject, students will continue to develop their knowledge of the Chinese language and culture from Years 7 & 8. Students will continue to learn about Chinese characters and practise writing them. They will also develop their reading, speaking, and listening skills. Students will learn more about Chinese culture, and participate in cultural activities, such as celebrating Chinese New Year. Students will learn more about grammar structures in Chinese and will utilise these in their writing. They will also build their speaking fluency.

This subject is taught on a 2-year cycle, and subjects covered include part-time jobs, households, the environment, and health.

Year 9/10 Languages: French

In this subject, students will continue to build on their learning from Year 7 & 8 French by building on their knowledge of the French language and culture, as well as developing their reading, speaking, writing, and listening skills. Students will learn more about grammar structures in French and will utilise these in their writing. They will also build their speaking fluency.

Year 9/10 Languages: German

This subject can be repeated as different content is covered each year.

In this subject, students continue to develop their knowledge of the German language and culture from Years 7 & 8 to improve on their reading, listening, speaking, and writing skills. The activities completed for each topic will build on the knowledge of grammar and knowledge of German-speaking countries.

This subject is taught on a 2-Year cycle covering topics such as part-time jobs, the environment, households, future pathways, music, and holidays.

Pathway

ARTS AND PERFORMING ARTS

Arts and Performing Arts subjects are elective modules in Years 9 & 10.

In Years 9 & 10, students can select from a range of different Arts and Performing Arts subjects based on their areas of passion.

Visual Arts						
Year 9		Year 10		Year 11		Year 12
Year 9/10 Textiles			→	VCE Units 1 & 2 Product Design & Technology - Textiles	→	VCE Units 3 & 4 Product Design & Technology - Textiles
Visual Communication & Design	→	Year 10 Yearbook 1 & Year 10 Yearbook 2 and/or Visual Communication & Design	→	VCE Units 1 & 2 Visual Communication & Design Technical Unit	→	VCE Units 3 & 4 Visual Communication & Design
			→	VCE Units 1 & 2 Visual Communication & Design	→	
General Art			→	VCE Units 1 & 2 Art Creative Practise	→	VCE Units 3 & 4 Art Creative Practise
General Art	→	Art Making & Exhibiting - Ceramics & Sculpture or Art Making & Exhibiting - Painting & Drawing	→	VCE Units 1 & 2 Art Making & Exhibiting - Ceramics & Sculpture - Painting & Drawing *Students pick one stream from the list above	→	VCE Units 3 & 4 Art Making & Exhibiting - Ceramics & Sculpture - Painting & Drawing *Students pick one stream from the list above
Introduction to Movie Making	→	Advanced Movie Making	→	VCE Units 1 & 2 Media	→	VCE Units 3 & 4 Media
Animation	→		VET Digital Media	→	VET Digital Media	
Gamemaker	→	Coding	→	VCE Units 1 & 2 Applied Computing	→	VCE Units 3 & 4 Applied Computing
			→	VCE Units 1 & 2 Media	→	VCE Units 3 & 4 Media

Performing Arts						
Year 9		Year 10		Year 11		Year 12
Year 9 Drama	→	Year 10 Drama	→	VCE Units 1 & 2 Drama	→	VCE Units 3 & 4 Drama
Year 9/10 Introduction to Photography and Year 9/10 Advanced Photography			→	VCE Units 1 & 2 Art Making & Exhibiting Photography	→	VCE Units 3 & 4 Art Making & Exhibiting - Photography
Production 1 & Production 2			→	VCE Units 1 & 2 Drama	→	VCE Units 3 & 4 Drama
			→	VCE Units 1 & 2 Theatre Studies	→	VCE Units 3 & 4 Theatre Studies
Year 9 Music	→	Year 10 Music	→	VCE Units 1 & 2 Music Performance	→	VCE Units 3 & 4 Music Performance
			→	VCE Units 1 & 2 Music Style & Composition	→	VCE Units 3 & 4 Music Style & Composition
					→	VCE Units 3 & 4 Music Investigation
			→	VET Music Industry (Performance)	→	VET Music Industry (Performance)

ELECTIVE OPTIONS

Year 9/10 Arts: Visual Communication & Design

This subject cannot be repeated.

In this subject, students will learn the basic skills in free-hand drawing that underpins all design work. This subject develops the skills and knowledge necessary to work with computer programs and enables the students to manipulate a range of tools to create effective design and digital imagery.

Year 9/10 Performing Arts: Production 1

In this subject, students develop their performance skills through practice, audition, casting, and the initial rehearsal phase. In Production 2 this will culminate in a production that is performed for the public.

Year 9/10 Performing Arts: Production 2

In this subject, students continue to develop their performance skills developed in Semester 1 through a process of rehearsal and refinement, culminating in a performance for the public.

Year 9/10 Performing Arts: Music

In this subject, students participate in a range of musical activities aimed at developing musicianship and understanding of musical concepts. Students explore musical genres, play in ensembles, and compose music in various styles.

Year 9 Arts: Introduction to Photography

This subject cannot be repeated.

In this subject, students will be introduced to the fundamentals of digital photography and the editing tool Photoshop. Students will explore historical and contemporary photographers and their practice. Students will analyse their own and other photographer's works and will evaluate their cultural and social significance. Students will create photos that display the elements and principles of photography and learn to see the world as a photographer.

Year 9 Arts: Introduction to Movie Making

This subject cannot be repeated.

In this subject, students create a narrative short film from script to shooting to the final cut. They learn to use video cameras, sound recording equipment and professional audio/video editing software.

Year 9 Performing Arts: Drama

In this subject, students develop their acting, character and storytelling skills through workshops and rehearsal. They learn about different performance styles and create extended performances. In Semester 1 the class collaborates to devise and perform an extended piece based on a particular performance style. In Semester 2 the class collaborates to rehearse and present an existing script, considering costume, lighting, set and sound alongside acting. This class contains Year 9 students only

Year 9 Computer Design: Animation

This subject cannot be repeated.

In this subject, students gain an introduction to the various skills and available programs involved in animation. Students learn to develop digital moving images with industry-standard software and equipment such as Adobe Animate and digital drawing tablets.

Year 9 Computer Design: Gamemaker

This subject cannot be repeated.

In this subject, students develop their knowledge of computer game design through their use of coding as a programming medium and culminating with them using their learned skills to plan and define all the elements and components of their own game. Students learn about block coding, sound editing, scoring, room layout and object creation, and move on to the more advanced Game Maker Language (GML) programming. Students also attend an excursion to Ballarat where industry professionals discuss the massive amount of career opportunities open to them through the gaming industry.

Year 10 Arts: Advanced Movie Making

This subject cannot be repeated.

In this subject, students will build on skills learned in Intro to Movie Making. They will undertake an assortment of tasks related to professional filmmaking and learn advanced skills in video and audio editing.

Year 10 Arts: Advanced Photography

This subject cannot be repeated.

In this subject, students will build on skills they may have acquired in Introduction to Photography involving digital photography and the editing tool Photoshop. Students will explore historical and contemporary photographers and their practice. Students will analyse their own and other photographer's works and will evaluate their cultural and social significance. Students will create photos that display the elements and principles of photography and learn to see the world as a photographer.

Year 10 Arts: Yearbook / School Magazine: Semester 1

In this subject, students learn the elements of graphic design and how to use professional Desktop Publishing tools. Design, write and create publications for the school community including the school yearbook.

Year 10 Arts: Yearbook / School Magazine: Semester 2

In this subject, students will continue to build on skills learned in Semester 1 while designing, writing and creating publications for the school community including the school yearbook.

Year 10 Arts: Art Making & Exhibiting – 3D Sculpture.

In this subject, students will keep a visual diary of their ideas and use the design thinking process to support the stages of creating and constructing sculptural objects. They will learn how to use construction techniques and apply these to their artworks and use a variety of materials.

Year 10 Arts: Art Making & Exhibiting- Painting & Drawing

In this subject, students learn how to expand their use of media, including acrylic and watercolour, pastels, charcoal, and painting and drawing inks and printing process. They will understand how mood is created in artworks.

Year 10 Performing Arts: Drama

In this subject, students develop their acting, character and storytelling skills through workshops and rehearsal. They learn about different performance styles and create extended performances. In Semester 1 the class collaborates to devise and perform an extended piece based on a particular performance style. In Semester 2 the class collaborates to rehearse and present an existing script, considering costume, lighting, set and sound alongside acting. This class contains Year 10 students only

Pathway

TECHNOLOGY

Technology subjects are elective modules in Years 9 & 10. Crusoe College prides itself on the selection of Technology subjects across all areas and the future pathways these open. Technology subjects are grouped into

In Years 9 & 10, students can select from a range of different Technology subjects using different technologies and materials. These subjects have numerous pathways into VCE subjects, VET courses and vocational pathways post-school.

Technology – Hospitality & Textiles					
Year 9		Year 10		Year 11	Year 12
		Year 9/10 Food Technology Year 9/10 Food Trends	→	VCE Units 1 & 2 Food Studies or VET Certificate II Hospitality (Cookery)	→ VCE Units 3 & 4 Food Studies or VET Certificate II Hospitality (Cookery)
Introduction to Café Foods and/or Introduction to Baking	→	Advanced Baking	→	VCE Units 1 & 2 Food Studies or VET Certificate II Hospitality (Cookery)	→ VCE Units 3 & 4 Food Studies or VET Certificate II Hospitality (Cookery)
Introduction to Textiles	→	Advanced Textiles	→	VCE Units 1 & 2 Product Design & Technology - Textiles	→ VCE Units 3 & 4 Product Design & Technology Textiles
			→	VCE Units 1 & 2 Art Creative Practice (Fashion)	→ VCE Units 3 & 4 Art Creative Practice (Fashion)
Introduction to Café Foods Introduction to Baking Year 9/10 Food Technology Year 9/10 Food Trends	→	VCE Units 1 & 2 Food Studies	→	VCE Units 3 & 4 Food Studies	

Technology - Design						
Year 9		Year 10		Year 11		Year 12
		Year 9/10 Energy Breakthrough Year 9/10 Project Building Year 9/10 Skate Deck	→	VCE Units 1 & 2 Product Design & Technology - Competition Vehicles - Wood - Metal *Students pick one stream from the list above.	→	VCE Units 3 & 4 Product Design & Technology - Competition Vehicles - Wood - Metal *Students pick one stream from the list above.
		Year 9/10 Digital Tech Design	→	VCE Units 1 & 2 Systems Engineering	→	VCE Units 3 & 4 Systems Engineering
			→	VET Certificate II Integrated Studies	→	VET Certificate II Integrated Studies
Introduction to Welding	→	VET Certificate II Engineering Studies	→	VET Certificate II Engineering Studies Or VCE Units 1 & 2 Product Design & Technology - Competition Vehicles - Metal	→	VET Certificate II Engineering Studies Or VCE Units 3 & 4 Product Design & Technology - Competition Vehicles - Metal
	→	Advanced Welding	→			
Introduction to Welding	→	Automotive or VET Certificate II Automotive	→	VET Certificate II Automotive	→	VET Certificate II Automotive
Introduction to Woodwork	→	VET Certificate II Building & Construction	→	VET Certificate II Furniture Making or VET Certificate II Building & Construction or VCE Units 1 & 2 Product Design & Technology Wood	→	VET Certificate II Furniture Making or VET Certificate II Building & Construction or VCE Units 3 & 4 Product Design & Technology Wood
	→	Furnishing (Pre VCE)	→			
Year 9/10 Digital Tech Design	→	Coding	→	VCE Units 1 & 2 Applied Computing	→	VCE Units 3 & 4 Applied Computing

ELECTIVE OPTIONS

Year 9/10 Technology: Café Foods

This subject cannot be repeated.

In this subject, students plan and make weekly production tasks utilising seasonal and regional ingredients. Students work through the design cycle to design and produce food suitable to be served in a café setting. They will develop and research, safety, hygiene and practical skills while working both individually and in small groups.

Year 9/10 Technology: Food Technology

This subject cannot be repeated.

In this subject, students develop skills in food selection and preparation to produce a variety of meals and food items. Food models will be used to evaluate the 'healthiness' of food choices and work through the design cycle to design and produce food solutions. Develop research, safety and hygiene and practical skills while working both individually and in small groups.

Year 9/10 Technology: Food Trends

This subject cannot be repeated.

In this subject, students produce a variety of modern and fusion-style products, with a focus on accessible ingredients, time management and current societal trends. Understand the historical shifts in food popularity through the progress of technology and the effects it had on preparing and producing meals. Work through the design cycle to design and produce food solutions. Develop research, safety and hygiene and practical skills while working both individually and in small groups.

Year 9/10 Technology: Digital Tech Design

This subject cannot be repeated.

In this subject, students develop the skills to draw and create 3D objects using Computer Aided Design software (CAD). The designs you create can then be transformed into real objects using our 3D printers, add a string of LEDs that can be programmed or create a Desktop lamp or a Night Light. Students will also build basic electronic circuits and learn the purpose of electronic parts and get to know Ohm's law.

Year 9/10 Technology: Project Building

This subject cannot be repeated.

In this subject, students build upon their skills of using the design process to meet the needs of a client by investigating and designing a product or a building project within the school. The activities and projects vary according to the needs of the school and experience and skill level.

Learning Activities include Creating a range of school-based projects. Students develop design concepts for the projects and work in teams. Students make prototypes and evaluate their ideas and concepts. This subject was previously called Building for School

Year 9/10 Technology: Skate Deck

This subject cannot be repeated.

In this subject, students build upon their skills of using the design process to meet the needs of a client by investigating and designing a product. The activities vary according to experience and skill level.

Learning Activities include Creating a deck. Students develop design concepts for the artwork on the board's base and develop creative design skills. Students make a prototype and evaluate their ideas and concepts. Spray paint is used to stencil the design onto the deck and students develop skills around safety and understanding of colour concepts.

Year 9 Technology: Introduction to Textiles

This subject cannot be repeated.

In this subject, students build and expand their skills in working with textiles. They cut, sew, decorate, and embellish fabrics, using commercial patterns to create textile objects. Students apply design thinking and design process to imagine and create original garments and textile objects, considering ways they can meet design briefs for clients. This subject is for Year 9 students only.

Year 9 Technology: Introduction to Baking

This subject cannot be repeated.

In this subject, students produce a variety of baked products, with a focus on cake, biscuit and bread making. Understand the functional properties of ingredients and their effects when used in baking. Work through the design cycle to design and produce food solutions. Develop research, safety and hygiene and practical skills while working both individually and in small groups. This subject is for Year 9 students only.

Year 9 Technology: Introduction to Woodwork

This subject cannot be repeated.

In this subject, students build upon their skills of using the design process to meet the needs of a client by investigating and designing a product. The activities vary according to experience and skill level. Learning Activities include Creating a timber model. Students develop design concepts for the model while working through the design process. Students make a prototype and evaluate their ideas and concepts. This subject is for Year 9 students only.

Year 9 Technology: Introduction to Welding

This subject cannot be repeated.

In this subject, students work in metals technology with a focus on fabrication and welding metals. They use hand tools, Oxyacetylene and electric welders to create a product that meets a design criteria. Learning Activities Workshop Induction & Safety; Machine Safety Licences; Develop welding skills; Tools and fabrication processes; Project development and Design elements. Students will learn to Work and think safely; Welding Skills (Bead, Pad and Fillet Welds). This subject is for Year 9 students only.

Year 10 Technology: Advanced Textiles

This subject cannot be repeated.

In this subject, students extend the skills acquired in Introduction to Textiles. They cut, sew, decorate, and embellish fabrics, using commercial patterns to create textile objects. Students apply design thinking and design process to imagine and create original garments and textile objects, considering ways they can meet design briefs for clients. This subject is for Year 10 students only.

Year 10 Technology: Advanced Baking

This subject cannot be repeated.

In this subject, students produce a variety of baked products, with a focus on cake, biscuit and bread making. Understand the functional properties of ingredients and their effects when used in baking. Work through the design cycle to design and produce food solutions. Develop research, safety and hygiene and practical skills while working both individually and in small groups. This subject is for Year 10 students only.

Year 10 Technology: Automotive

This subject cannot be repeated.

In this subject, students develop a basic understanding of the mechanical systems used to operate an internal combustion engine. Students work on a small-single-cylinder stationary engine to disassemble and repair these engines. Assessment is a combination of theoretical and practical activities.

Year 10 Technology: Furnishing (Pre VCE)

In this subject, students build upon their skills of using the design process to meet the needs of a client by investigating and designing a product. The activities vary according to experience and skill level.

Learning Activities include Creating a timber model. Students develop design concepts for the model while working through the design process. Students make a prototype and evaluate their ideas and concepts. This subject is for Year 10 students only and aims to prepare you for a range of VCE Technology subjects.

Year 10 Technology: Advanced Welding

This subject cannot be repeated.

In this subject, students work in metals technology with a focus on fabrication and welding metals. They use hand tools, Oxyacetylene and electric welders to create a product that meets a design criteria. This builds on the skills acquired in Introduction to Welding, however, it is not essential to have previously completed this subject.

Learning Activities Workshop Induction & Safety; Machine Safety Licences; Develop welding skills; Tools and fabrication processes; Project development and Design elements. Students will learn to Work and think safely; Welding Skills (Bead, Pad and Fillet Welds). This subject is for Year 9 students only.

Year 10 Technology: Coding

This subject cannot be repeated.

In this subject, students will learn to code using basic block-based coding languages and work towards creating solutions to projects by writing programs. This subject is for Year 10 students only.

VCE UNITS

VCE Units 1 & 2 Food Studies

Students interested in completing VCE Units 1 & 2 Studies, see pages 35-36 for further information.

Pathway

SPECIALIST PROGRAMS

Specialist Program: Volleyball Squad Training

Additional fees may be charged for participation in non-compulsory camps and excursions.

Eligible families may use CSEF to pay for this subject.

In Specialist Program Volleyball, students will undertake both a practical and theory component. The practical sessions will involve students undertaking a variety of different training, peer coaching and umpiring sessions. The theory component is designed to develop students' knowledge, skills, self-management, and team attitudes.

Specialist Program: Life Skills

This can be completed more than once.

Identified students will be nominated for this class.

This subject is an opportunity for students with diverse needs requiring substantial or extensive adjustments to learn how to complete daily life skills and work-related tasks independently in preparation for post Year 10.

Specialist Program: Energy Breakthrough

Additional fees may be charged for participation in non-compulsory camps and excursions.

Eligible families may use CSEF to pay for this subject.

In this subject, students ensure trikes are race-ready, completing repairs and adding decals. They use the design process to create trike components and apparel. During semester 2, students look at the health and safety of racers whilst competing.

Specialist Program: Head Start School Based-Apprenticeships & Traineeships (SBAT)

Head Start is a newly introduced State Government program that supports students in commencing a school-based apprenticeship or traineeship (SBAT) while they are also completing Secondary School.

Students can commence a Head Start apprenticeship or traineeship whilst they are undertaking Year 10 at Crusoe College and then progressing either into a VCE or VCAL program at Bendigo Senior Secondary College.

The amount of time spent in the workplace will increase each year of the student's Head Start apprenticeship or traineeship. Usually, in Year 10 students will spend 1 day per week undertaking work and training, with this time increasing up to 2 days in year 11 and 2- 3 days per week in Year 12.

Students can '**earn as you learn**' as school-based apprentices and trainees are paid industry award wages while working on the job at the workplace, gaining confidence and adapting to a work environment.

Head Start is designed to give students the confidence, capabilities, and skills that employers demand as most employers are now stating they are preferring young employees that have strong levels of Literacy and Numeracy, employability skills and have completed their schooling through to year 12.

Outcomes for Students

Students will leave school with dual qualifications either their VCE or VCAL certificate as having completed years 11 and 12 at BSSC, as well as progressed in their industry qualifications providing them with the employability skills for sustainable long-term employment opportunities.

Also, by having completed school they will have increased abilities and opportunities to be able to enter further courses for advancement in their chosen career or are able to enter another course of study if they eventually want to pursue a completely different career pathway in the future.

Peter Tyack

Head Start Coordinator

T: 03 5447 7722 (Crusoe College)

Pathway

VCE AND VET SUBJECTS

VCE subjects are elective modules at Year 10. Students wishing to complete a VCE subject in Year 10 must be able to demonstrate the following:

- A dedicated approach to study
- Be highly organised with very good time management skills and a very good work completion record.
- Achieved above average results in the subject selected, or in a similar subject area.

Students **MUST** have a recommendation from their Year 9 teacher endorsing their subject selection and fill in the **Application to Enrol in a VCE Subject**. (Light green colour). Your application will be considered, and an interview may be necessary if there are concerns about your readiness to embark on VCE studies. In term 4, when viable classes have been determined, you will be required to attend an information meeting after school, with a parent or carer.

The College offers four Unit 1 & 2 VCE subjects for students to select. These subjects are:

- Business Management
- Food Studies
- Health & Human Development
- Physical Education

NOTE: VCE subjects will only run with enough students to make the class viable. However, every effort will be made to ensure that individual learning needs are met. Please follow the guidelines on the selection sheet carefully to ensure that alternative modules are selected if the subject is unable to be run.

All teachers teaching a VCE subject and all students studying a VCE subject will be distributed the relevant VCE Study Design documentation. This is in accordance with our VCE Assessment and Reporting Policy.

All teachers teaching a VET subject and all students studying a VET subject will be distributed the relevant VET Curriculum documentation. This is in accordance with our VCE Assessment and Reporting Policy.

VCE UNITS

VCE: Business Management Units 1 & 2

UNIT 1

In this unit, students will explore the factors affecting business ideas and the internal and external environments within which businesses operate, as well as the effect of these on planning a business. They also will consider the importance of the business sector to the national economy and social wellbeing.

UNIT 2

In this unit, students will investigate the concept of entrepreneurship. They will consider how business ideas are created and how conditions can be fostered for new business ideas to emerge. Students will explore some of the considerations to be made before a business can be established as well as the importance of businesses to the national economy and social wellbeing.

Upon completion of these units, students are encouraged to consider Business Management units 3 & 4 as part of their program in Year 11

VCE: Food Studies Units 1 & 2

UNIT 1

In this unit, students investigate where our food has come from, discovering historical and cultural perspectives through time and across the world, with a focus on Australian indigenous food. Students explore technologies and food patterns. Throughout this unit, they complete contemporary practical activities.

UNIT 2

In this unit, students investigate food systems in contemporary Australia. Students use practical skills and knowledge to produce foods and compare their foods to commercial products. Students design new food products and adapt recipes to suit consumer needs.

Upon completion of these units, students are encouraged to consider Food Studies units 3 & 4 as part of their program in Year 11.

VCE: Health & Human Development Units 1 & 2

UNIT 1

In this unit, students explore the different perspectives of health and wellbeing in our society. You will identify the role of nutrition on health and wellbeing and complete an extended inquiry into a topical youth health issue.

UNIT 2

In this unit, the focus shifts to human development from prenatal to adulthood, in particular transition from youth to adulthood. You will explore the qualities of healthy relationships, roles and responsibilities of parenthood, and how early life experiences can impact our health and wellbeing.

Upon completion of these units, students are encouraged to consider Health & Human Development units 3 & 4 as part of their program in Year 11.

VCE: Physical Education Units 1 & 2

UNIT 1

In this unit, students develop their knowledge of the structure and function of the body, particularly in relation to athletic performance. They consider a variety of legal and illegal practices and substances used to enhance performance from an ethical and a biophysical perspective.

UNIT 2

In this unit, students develop their understanding of physical activity, sport, and society from a participatory perspective. They are introduced to types of physical activity and the role participation in physical activity and sedentary behaviour plays in their own health and wellbeing as well as in other people's lives in different population groups.

Upon completion of these units, students are encouraged to consider Physical Education units 3 & 4 as part of their program in Year 11.

VET Subjects - Vocational Education & Training

VET is the name given to training that is usually thought of as TAFE training. People working in all industries in Australia must undertake training to learn the skills needed to work in that industry – much of this training is through the VET system at TAFE. Students in schools can also access this industry training as VET in Schools [VETiS].

Vocational Education and Training (VET)

Vocational programs at Crusoe College enable training in the skills and knowledge of a particular industry. Upon satisfactory completion of a vocational program, students can show competence in basic industry skills and knowledge. The certificates issued are industry qualifications. Many of the VCE VET certificates offered at Crusoe College lead to further VET certificates at BSSC or TAFE and they are the industry pre-apprenticeship qualifications. Therefore, students including a VET program in their VCE or VCAL, also gain an industry qualification that is recognised nationally.

VET is suited to students who:

- are thinking of obtaining an apprenticeship or traineeship after school.
- are already skilled in an industry area and can gain excellent study scores for university entry.
- are interested in developing a practical skills base for diploma and degree level courses.
- would like to gain an industry qualification, as well as their VCE or VCAL.
- enjoy practical based learning environments.
- want to keep their options open after completing Year 12.
- want to obtain part-time work in an industry.

VET Programs offered in 2024.

- Certificate II in Automotive Vocational Preparation - AUR20716
- Certificate II in Building and Construction (Carpentry) - 22338VIC
- Certificate II in Community Services - CHC22015
- Certificate II in Engineering Studies - 22470VIC
- Certificate II in Salon Assistant - SHB20216 and Certificate III in Beauty Services - SHB30115
- Certificate II in Animal Studies - ACM20117
- Certificate II in Electro Technology – 22499VIC
- Certificate II in Kitchen Operations – SIT20416

NOTE: Mr Emond will be conducting parent and student meetings to discuss these programs further.

Cost

Costs that families may incur for these programs will be communicated to families at a later date.



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