Yr 7 – 10

STUDENT SUBJECT SELECTION HANDBOOK

2025 – 2026

CONTENTS

	Page
Year 8	3
The Arts	3
Technology	4
Year 9	5
Core subjects	6
Electives:	7
The Arts	7
English	9
Health and Physical Education,	9
Humanities	10
Languages other than English	10
Science	11
Technology	11
Year 10	13
Core subjects:	15
English	15
Mathematics.	15
Electives:	16
The Arts	16
Humanities	18
Health and Physical Education	19
Languages other than English	20
Science	21
Technology	23

YEAR 8

Kurunjang Secondary College provides a rigorous and comprehensive range of core subjects and has a choice of electives to develop skills and knowledge in areas of interest and strength. Students will choose 4 electives over the year with 2 electives studied in each semester.

Learning area: THE ARTS

DRAMA

Drama focuses on developing students' expressive and performance skills by introducing them to a range of dramatic styles and techniques. Theatre styles from all over the world will be explored through practical workshops and research tasks.

MEDIA

The year 8 media class focuses on developing students' experiences and skills in digital photography and cinematography. Students will develop their own media products using the technical and symbolic elements of images and text to represent a specific story, purpose and meaning. Students will have the opportunity to work with digital cameras and use software such as Photoshop and Premier pro to refine their media products.

MUSIC

In the Year 8 music elective, students develop their ability to listen to, analyse, and perform musical works on a range of instruments. Students learn to play and create melodies and chord progressions on the guitar and keyboard. Students develop their collaboration skills by rehearsing in a group setting on a chosen instrument in preparation for the Year 9 and 10 Music program.

STUDIO ART

This program encourages students to express their individual ideas creatively. It provides them with the opportunity to experiment and create art works within the area of drawing, painting, printmaking and mixed media.

VISUAL COMMUNICATION AND DESIGN

Students learn to use both manual and digital drawing methods in the creation of a range of different tasks including Zentangle Drawings, One-point and 2-point perspective drawing where students create a 3-dimensional city block drawing in 2-point perspective. Students also create their own drink logo and label.

Return to Contents Page

Learning area: TECHNOLOGY

APPLIED COMPUTING

Students in this class will learn how to use computer software to develop a range of creative solutions through the design and development of digital technologies. Students will learn a range of techniques to utilise data collected by databases and spreadsheets in the creation of software solutions and web content that is attractive, informative and productive.

FOOD STUDIES

Students will use the design process to produce a range of foods to cater for a variety of different consumers. Students will spend a majority of their time developing their practical cooking skills to enable the production of a range of foods that are traditionally eaten throughout the day. Students will design and produce meals worthy of a 10 out of 10, and a MasterChef pin!

PRODUCT DESIGN AND TECHNOLOGY (TEXTILES)

Students in this class will gain skills and knowledge of designing and producing garments. Students will learn about fabrics, fashion drawing, fabric printing, and sewing techniques. Students will develop a portfolio of designs, as well as designing and creating their own garment.

PRODUCT DESIGN AND TECHNOLOGY (WOOD)

Students in this class will gain advanced skills and knowledge of designing and making products using timber. Students will be expected to complete a folio of work that consists of developing ideas, undertaking research and development, creating design options, and carrying out pre-production work to enable them to individually plan the construction of the product of their choice. Students will then manufacture one or more core pieces of work to understand the safe manufacturing techniques, processes, and procedures using a wide range of hand and power tools.

Return to Contents Page

YEAR 9

Kurunjang Secondary College provides a rigorous and comprehensive range of core subjects and has a choice of electives to develop skills and knowledge in areas of interest and strength. Each Semester for students will look like the table below with core subjects in black and elective choices in blue. Students will choose 6 electives over the year with 3 electives studied in each semester.

Subject	**Sessions Per Week**
English	4
Literacy	2
Mathematics	4
Science	3
Humanities	3
Health and Physical Education	2
Student success	1
Elective choice	2
Elective choice	2
Elective choice	2

YEAR 9 CORE SUBJECTS

ENGLISH

Students will develop an awareness of the way language varies according to its purpose, audience, and context. Students will study and create a broad range of written and oral texts and respond critically to a variety of literature and media texts.

LITERACY

This subject aims to further develop and extend students' literacy skills. Students will work in groups according to their reading comprehension levels. Each level will have targeted lessons ranging from phonological awareness, reading comprehension strategies based on the four resources model by the Department of Education, including reciprocal teaching.

MATHEMATICS

Students will develop their mathematical knowledge and skills in the three strands according to the Victorian Curriculum: Number and Algebra, Measurement and Geometry, and Statics and Probability. Students will apply a range of skills to solve problems involving simple interest, algebraic expressions, explain the similarity of triangles, surface area and volume, represent data graphically, and estimate probabilities of events

SCIENCE

Students will develop key knowledge and skills in understanding the value of scientific enquiry, the applications of science in everyday life, and exploring science as a human activity. Areas of study will include renewable energy, chemical reactions, the origin of the universe, coordination and control, earthquakes and volcanoes, subatomic particles, electricity and magnetism.

HUMANITIES

This subject builds upon students' knowledge and skills in understanding the past and present in order to make decisions about the future. Students will investigate the changes that took place in the 20th Century and learn how these have influenced our lives in the 21st Century. As part of this subject, students will study the Holocaust and World War II, Economics and Business, Geography, and Civics and Citizenship.

HEALTH AND PHYSICAL EDUCATION

Students will learn and develop greater control and skill in physical activity. They will develop proficiency in a range of high-level movement and manipulative skills whilst devising and employing tactics and strategies to counter pre-emptive challenges. Students will learn and use training methods to improve their fitness level and participate in sports, games, recreational and leisure activities. During the theory component, students will investigate different components of fitness, body systems, biomechanics and nutrition. Students will be assessed on participation, attendance, P.E uniform, skill development, fair play, and the theory components.

Return to Contents Page

YEAR 9 ELECTIVES

Learning area: THE ARTS

DANCE

The Year 9 Dance elective is suited to students who like to dance, who are creative, enjoy practical and physical work and are keen to develop their ability in choreography, advancing their dance skills and be willing to perform in front of their peers, families or friends.
Students will learn to structure movement as they choreograph dances to express their ideas, feelings and experiences. They will learn the language of dance, and describe movements using elements of dance as they view, discuss, read and write about dance.

Contact Teacher: Ms. Bagnath

DRAMA

The Year 9 Drama course focuses on developing students' expressive and performance skills by introducing them to a range of dramatic styles and techniques. Theatre styles from all over the world will be explored through practical workshops and research tasks.

Contact Teacher: Ms. Bagnath

MEDIA

Students in this class will gain skills and knowledge of the processes involved in making video content for viewing distribution. Students will use a range of formats such as the web, mobile devices, DVD, and Blu-Ray. Students will learn about camera operation techniques, editing, and producing video products.

Contact Teacher: Mr. Stoll

MUSIC (WHOLE YEAR ELECTIVE)

Within a music ensemble setting, students will have the opportunity to learn one or more instruments including: Voice, Keyboard, Guitar, Bass Guitar or Drum Kit. In small ensemble groups, students will be taught how to play the instrument of their choice with a view to performance. Within this area of study, students will learn how to read, write, and analyse music. Students will also undergo ear training and a composition component. It is strongly recommended that students select this elective if they intend on selecting Music in Year 10. It is a prerequisite that students undertaking this subject will be enrolled in Instrumental Music lessons at the school, to develop the required instrumental performance skills.

Contact Teacher: Mr. Graham

STUDIO ART

This program encourages students to express their individual ideas creatively. It provides them with the opportunity to experiment and create art works within the area of drawing, painting, printmaking and mixed media. This elective is particularly suitable for students who are keen to study VCE Art: Art making and exhibiting

Contact Teacher: Ms. Kindtner

VISUAL COMMUNICATION & DESIGN

Students learn to follow the design process and use both manual and digital drawing methods in the creation of a range of different tasks including creating their own stencil art with spray paint, mascot design that are finished digitally in Photoshop and designing their own music poster for a chosen singer or band focusing on typography and other design elements and principles.

Contact Teacher: Mr. De Castro

Return to Contents Page

Learning area: ENGLISH

CREATIVE WRITING

Students only learn to be a better writer by actually writing. If there is a story waiting to come alive inside you, then this elective is for you. Students will contribute to an online Writer's Notebook, edit, and publish their best work. Students will study a variety of authors and immerse themselves in their style, try to emulate this in their own writing and increase their capacity to write effectively for a range of audiences and purposes.

Contact Teacher: Ms. Patchett

Learning area: HEALTH AND PHYSICAL EDUCATION

Sports Coaching

"Winning is not everything but making the effort to win is".

In the Sports Coaching elective, students delve into coaching skills across various sports. They explore effective communication, leadership styles, and create a positive coaching environment. Additionally, they learn coaching principles specific to different sports, delve into motor skill acquisition, and discover methods for monitoring athlete performance. 🏀 ⚽

Contact Teacher: Mr. Ieremia

Learning area: HUMANITIES

BUSINESS MANAGEMENT

This elective introduces students to the personal motivation behind starting a business. They also research and study the skills and personal characteristics of successful business entrepreneurs, and how these skills and characteristics contribute to business success. In addition, students will gain an understanding of what is involved in starting and operating/running a business, including registering the business name, deciding on the prime function (goal/objective) of the business, the location and legal structure.

Contact Teacher: Mr. Lowry

HISTORY – The Modern World

The Year 9 History elective delves into the transformative period of the Industrial Revolution, a pivotal era that reshaped society with unprecedented industrialisation and profound shifts in living, working, and thinking. Students will explore the emergence of new technologies and industries, and how they spurred economic growth while also creating social challenges. In the second term, the focus shifts to the age of colonisation, dissecting the extensive reach and enduring impacts of European imperial powers. Through this comprehensive study, students will gain insights into the complex interplay of historical forces that have shaped the modern world.

Contact Teacher: Mr. Lowry

Learning area: LANGUAGES OTHER THAN ENGLISH

ITALIAN LANGUAGE (WHOLE YEAR ELECTIVE)

This course is designed for students who have studied Italian from Year 7 to Year 8 or have a knowledge of Italian to Year 9 level. Students will have the opportunity to build on their prior knowledge of the language, through various topics about Italian cultural life. They will also be given time to engage in conversational Italian.

Contact Teacher: Mr. Costa

Learning area: SCIENCE

ENVIRONMENTAL SCIENCE

Environmental Science is a branch of science concerned with the study of climate, global systems and geography. Students will develop key knowledge and skills in understanding the value of scientific enquiry, science as technology, science and society, the applications of science in everyday life, people at work in science, and exploring science as a human activity. Areas of study will include: climate change, global systems and cycles, geography and environmental concerns. Students will complete experiments, practical reports, research assignments and topic tests.

Contact Teacher: Ms. Sinclair

Learning area: TECHNOLOGY

APPLIED COMPUTING

Students in this class will learn how to use computer software to develop a range of creative solutions through the design and development of digital technologies. Students will learn a range of techniques to utilise data collected by databases and spreadsheets in the creation of software solutions and web content that is attractive, informative and productive. Adobe Dreamweaver and Photoshop will be used in the creation of websites.

Contact Teacher: Mr. Eldridge

AUTOMOTIVE

Students in this class will gain advanced skills and knowledge of mechanical standards. Students will learn about engines, maintenance, mechanical engineering, and Occupational Health and Safety practices, Students will focus on correct terminology, work safe standards, and rebuilding a single cylinder engine.
Some of the topics covered:

- Two stroke engines (small lawn mowers)
- Four stroke engines (4, 6, 8 cylinders)
- Remove and replace Tyers and wheels
- Battery and alternator maintenance
- Remove and replace drive/serpentine belts
- Cooling system
- Wiring your first in-car stereo head unit
- Replace and remove brake pads and discs
- Learner Permit theory

Contact Teacher: Mr. Huynh

FOOD STUDIES

Explore the foods and cooking of the Aboriginal and Torres Strait Islander peoples to the British settlers, and from there delve into the melting pot of international cuisines that have shaped the varied and unique palate of Australia. Our love of multicultural dishes would not have been possible without those who shared their food and recipes. Students will design and produce meals worthy of a 10 out of 10, and a MasterChef pin! Also, students will learn how Australia maintains a safe food supply and ensures that food labelling adheres to strict standards to protect consumers.

Contact Teacher: Mr. Beckley/ Ms. Nasr

PRODUCT DESIGN &TECHNOLOGY (TEXTILES)

Students in this class will gain skills and knowledge of designing and producing garments. Students will learn about fabrics, fashion drawing, fabric printing, and sewing techniques. Students will develop a portfolio of designs, as well as designing and creating their own garment.

Contact Teacher: Mr. Beckley

PRODUCT DESIGN &TECHNOLOGY (WOOD)

Students in this class will gain advanced skills and knowledge of designing and making products using timber. Students will be expected to complete a folio of work that consists of developing ideas, undertaking research and development, creating design options, and carrying out pre-production work to enable them to individually plan the construction of the product of their choice. Students will then manufacture one or more core pieces of work to understand the safe manufacturing techniques, processes, and procedures using a wide range of hand and power tools.

Contact Teacher: Mr. Huynh / Mr. Lacey

SYSTEMS ENGINEERING (ROBOTICS)

Students in this class will learn about the innovative practices of the robotics industry. They will study the history of robotics and look into the future of robotics. They then design and build a robot of their own, including robotic overlays and program this robot to complete a variety of challenges, using the skills and knowledge gained through the course.

Contact Teacher: Mr. Zivave

Return to Contents Page

YEAR 10

Kurunjang Secondary College provides a rigorous and comprehensive range of core subjects and has a choice of electives to develop skills and knowledge in areas of interest and strength for all students.

Year 10 course	
Semester 1	**Semester 2**
English	English
Mathematics	Mathematics
Humanities	Science*
Art OR Technology	Elective*
Elective*	Elective*
Elective*	Elective*

- Students are able to choose a subject from any of the elective groups with a limit of no more than 3 choices from any one group)

All subjects have 4 periods over the course of the week.

YEAR 10 CURRICULUM STRUCTURE

Year 10 students will study 12 semester length units (six during Semester 1, six during Semester 2).

Within the 12 units, students will be required to include:

- 2 units of English across the whole year.
- 2 units of Mathematics across the whole year.
- (Year 10 Mainstream Maths or Year 10 Enhanced Mathematics)

Students will also need to choose at least one

- Humanities elective from the Humanities group.
- Science elective from the Science group.
- Arts or Technology elective from the Art or Technology group.

The remaining 5 choices can be made up from any of the subject groupings however students should not have any more than 3 electives from any one group.

The electives students choose must reflect a career pathway, interests, and skills after careful consideration and discussion with parents.

The elective subjects provided are those that will assist students to specialise in particular studies for VCE, VCAL and VET.

All preferences for electives must be considered carefully as students cannot be guaranteed of their choices as subjects with a small number of students will often not be put on the timetable. It is important to note that Year 10 students may begin a Year 11 VCE subject which will take up the place of two electives.

Students must have excellent attendance and results to be considered for VCE acceleration. Details of the VCE subjects are provided in the Year 11 Subject Handbook which is also available on Compass.

In order to be considered for this acceleration students must complete the VCE acceleration application form and provide it to the VCE leader Mr. Hill.

Return to Contents Page

CORE SUBJECTS (ALL YEAR)

Learning area: ENGLISH

ENGLISH

Students will hone their skills in the detailed study of various texts, while focusing on written communication and oracy. All tasks are designed to consider purpose and audience. Students will also learn to respond critically to issues presented in the media. Students will develop a folio of written pieces with evidence of the key elements of the writing process. Students will read assigned texts and undertake written tasks that reflect their knowledge and analysis of the key themes and issues presented by the authors. Students will explore a range of current media issues and develop an understanding of how writers use language to position and persuade readers. Students will use a current issue to analyse and respond in a detailed piece of writing.
Students will also study a film as text and use similar skills and strategies to analyse key themes and issues presented by the film maker. In addition, students will maintain a workbook which will contain detailed and organised notes during the study process. It will also contain all learning tasks assigned by teachers, as well as evidence of the writing process that includes drafts.

Learning area: MATHEMATICS

MATHEMATICS

Students will develop their mathematical knowledge and skills in one of the two Mathematics streams offered in Year 10.
Mainstream Mathematics will prepare students for VCE General Mathematics. Topics covered are Pythagoras' Theorem, trigonometry, linear equations, statistics, financial mathematics, matrices and networks.
Enhanced Mathematics prepares students for VCE Mathematical Methods and General Mathematics. Topics covered are Pythagoras' Theorem, trigonometry, linear algebra, surds, simultaneous equations, indices, quadratic functions, and circular functions.
Students will choose either stream based on their Year 9 mathematics results, teacher feedback, and teacher recommendations.
Students will demonstrate their knowledge and skills through Learning Tasks, unit tests, assignments, projects, and exams at the end of each semester.

ELECTIVES (SEMESTER BASED, UNLESS OTHERWISE STIPULATED)

Learning area: THE ARTS

DANCE

The Year 10 Dance elective aims to develop technical and physical skills such as balance, control, and flexibility. Students will work towards creating short duet or trio routines through expressive intention and choreographic devices. They will learn skills in relation to space, aerial and floor pathways, stage direction and positioning. Students will also experience performance management, props, costumes, lighting, sound, and set design. Assessment will be based on technique, choreography, dance history, incursions, excursions, and performance. Students must participate 100% in all practical classes.

Subject Contact: Ms. Bagnath

DRAMA

The Year 10 Drama course focuses on developing students' expressive and performance skills by introducing them to a range of dramatic styles and techniques. Theatre styles from all over the world will be explored through practical workshops and research tasks. Students will study Australian theatre, looking at character development, stagecraft elements, dramatic elements, performance analysis, and expressive skills. From there, students will go on to learn about non-naturalistic artists such as Brecht. They will be introduced to complex playmaking techniques with a view to develop and create an ensemble and solo performance. Assessment will be based on a folio of drama notes, participation in all class activities and active participation in all performances, research assignments. There will also be live theatre performances to attend.

Subject Contact: Mr. De Castro

MEDIA

Students will have the opportunity to create their own media forms, such as photography, short film and animation as well as the theory behind filmmaking and film analysis. This is a practical based introduction to video production, designed for students who are interested in pursuing further study in video or film production. The course also encourages effective collaboration with peers and careful consideration of the final output of the video product to appropriate media formats. The topics that will be covered are script development, storyboarding, the operation of equipment, the principles of video editing, titles and special effects. Assessment will be based on the completion and participation of theoretical class work and tests, practical class work and projects, effective use of software, and the collation of a digital portfolio of all preparation and final files.

Subject Contact: Mr. Stoll / Mr. De Castro

MUSIC (FULL YEAR ELECTIVE)

Within a music ensemble setting, students will have the opportunity to learn one or more instruments including: Voice, Keyboard, Guitar, Bass Guitar or Drum Kit. In small ensemble groups, students will be taught how to play the instrument of their choice and perform songs in a concert setting.

Within this area of study, students will learn how to read, write, and analyse music. Students will also undergo ear training and composition component. It is strongly recommended that students select this elective if they intend to study VET Music at a VCE level. It is a prerequisite that students undertaking this subject will be enrolled in Instrumental Music lessons at the school, to develop the required instrumental performance skills. There may be extra costs associated with this elective choice.

Subject Contact: Mr. Graham

STUDIO ART

This elective aims to enhance knowledge of visual language through the understanding of the elements and principles of art. Students will develop an ability to critically review and analyse artworks, as well as developing their creativity and technical skills. Students will experiment with a variety of media in projects. Students will learn about tone, line, drawing from life and imagination, colour theory, painting, art history, use of a visual diary, print making techniques, and art theory. Students in this class may also develop skills in drawing, design, and clay techniques. Some of the topics may include: 3D activities in paper and card, wire, and plaster, art studies and theory, and an annotated visual diary.

Subject Contact: Ms. Kindtner

VISUAL COMMUNICATION & DESIGN

Year 10 Visual Communication Design provides students with the opportunity of developing their manual and digital drawing skills by using a variety of media, design elements and principles in all 3 design fields. Students design a logo and branding in the Communication Design field working with typography and imagery. In the Environmental Design field students focus on architectural drawings and design in creating accommodation spaces and focus on product design within the Industrial design field. Students intending to pursue VCE Visual Communication and Design are encouraged to select this elective in Year 10.

Subject Contact: Mr. De Castro

Learning area: HUMANITIES

BUSINESS MANAGEMENT

This elective introduces students to the world of business and the economy. Students explore the nature of small businesses and how they are managed, the importance of innovation, the role the government can play in promoting innovation and enterprise in the economy, and the positive contributions small businesses make to the Australia economy.

Subject Contact: Ms. Zahra

HISTORY

In this history elective students study the changes that have occurred in the 20th Century post WWII. This includes the fight for Civil Right in Australia and abroad and the Cold War. This subject is perfect for students wishing to continue on the path of history from year 9 to continue to develop their understanding of why the world today is the way it is.

Subject Contact: Mr. Maple

LEGAL STUDIES

In this subject, students examine the key principles of Australia's justice system including the need for laws, the jurisdiction and need for a court hierarchy, and the concept of precedent. Students also compare criminal and civil law with respect to concepts such as the burden and standards of proof, the purposes of laws and the ability of the law to achieve justice. Students apply their understanding to real and hypothetical case studies.

Subject Contact: Mr. Eldridge

POLITICS

In this elective, students will navigate the Australian political landscape with an introduction to Political Studies. In this subject, students will explore the structure of the Australian political system, the role of political parties, and how people can influence real political change through activism. Students will also investigate global politics and explore the actions of nations in their pursuit of power. Students will apply their understanding to current political affairs and events, both locally, nationally, and internationally.

Subject Contact: Mr. Eldridge

Return to Contents Page

Learning area: HEALTH AND PHYSICAL EDUCATION

HEALTH AND HUMAN DEVELOPMENT

This elective develops an understanding of the many dimensions of health – physical, social, emotional, mental, and spiritual. The course has a direct link to the VCE subject of the same name and aims to prepare students for VCE. Students will learn:

- the definitions and measurements of health status
- differences between health
- role of nutrition in physical development.

In addition, students will learn about the role of The United Nations and the World Health Organisation as well as understanding aid agencies and the assistance they provide. Assessment will be based on class activities and exercises, investigation projects, presentations and evaluations.

Subject Contact: Mr. Cristino

PHYSICAL EDUCATION

Through a range of sports, students will develop greater responsibility by taking on an instructional role for class members. This elective also covers theoretical components which will provide the basis of knowledge required for students wanting to study VCE Physical Education. Some of the practical topics are Thunderhoc, indoor and outdoor sports, and peer group instruction. In addition, the theory topics will cover the skeletal system, muscular system, cardio respiratory system, and biomechanics. Students will learn about the nutrients required for energy production, the energy systems, fitness components, and performance enhancing behaviour. Assessment will be based on classwork, learning tasks, peer instruction lessons, exam, and practical participation.

Subject Contact: Mr. Pohlen

Personal Training / Fitness

These subjects delve into the structure of the human body, how it functions, and how movement is controlled. As a personal trainer, understanding these areas is vital because exercise involves controlled movement, and different exercises have varying effects on the body. With this knowledge, you can design safe and effective exercise programs for clients, considering their unique needs and any existing health conditions

Contact Teacher: Mr. Ieremia

Return to Contents Page

Learning area: LANGUAGES OTHER THAN ENGLISH

ITALIAN LANGUAGE (TWO SEMESTER ELECTIVE)

The course is designed for those students who are considering studying Italian at VCE. Students must have studied the language from Year 7 to Year 9 or have a knowledge of Italian to Year 10 level. Students will have the opportunity to increase their vocabulary and write more complex sentences through various topics about Italian cultural life. They will also be given time to engage in conversational Italian.

Contact Teacher: Mr. Costa

Return to Contents Page

Learning area: SCIENCE

BIOLOGY

Biology is a branch of science concerned with the study of living things or organisms. Students will explore questions such as what is life? What does it mean to be alive? You are alive, the lizard in the tank is alive, and so are our pets. What about the rain? The Snow falling? Are they alive? How about a wooden chair? It isn't alive but what it is made from once was.
These questions are the crux of biology. Students will learn about the biochemical processes that define life, learn about the immune system and also about many of the cellular processes. This unit will also give students an insight into natural selection and evolution.
Students who want to study VCE Biology are recommended to take this elective in Year 10.
Assessment will be based on experiments, practical reports, research, topic tests and an end of semester exam.

Subject Contact: Ms. Sinclair

CHEMISTRY

Students will investigate the atom – electronic configurations, isotopes, and bonding. Students will also learn about Stoichiometry calculations, energy from the nucleus –radioactivity, nuclear fission and fusion, chain reactions, nuclear reactors, and the atom. In Carbon Chemistry, students will focus on pathways and reactions.
Assessment will also be based on experiments, practical reports, research projects, topic tests, and an end of semester exam.
Students intending to undertake VCE Chemistry are recommended to take this elective in Year 10.

Subject Contact: Mr. Geros

GENERAL SCIENCE

General science is an overall study of minor sub-branches of science that are often overlooked in core subjects. This subject is recommended for students who are not considering studying Science at a VCE level. Students will develop key knowledge and skill in understanding the value of scientific enquiry, science as technology, science and society, the applications of science in everyday life, people at work in science, and exploring science as a human activity.
Areas of study will include: forensics, misconceptions and conspiracies within science, zoology and global systems.
Assessment will be based on experiments, practical reports, research assignments, topic tests, and an end of semester exam.

Subject Contact: Ms. Sinclair

PHYSICS

Students who choose Physics will study a range of topics drawn from the following three areas;

- Explaining the motion of objects using the interaction of forces and the exchange of energy and describing motion using the laws of physics
- The interaction of magnets and how they are used in the generation of electricity and the operation of motors.
- How electric circuits are designed for diverse purposes using different components; and how the operation of circuits can be explained by the concepts of voltage and current.

Assessment will also be based on experiments, practical reports, research projects, topic tests, and an end of semester exam. Students intending to undertake VCE Physics are recommended to take this elective in Year 10.

Subject Contact: Ms. Sinclair

PSYCHOLOGY

Why do we do what we do? What impacts our decisions, thoughts and feelings?
Students will learn the difference between psychology and psychiatry, the development of individual behaviour – nature versus nurture, sports psychology, clinical psychology, research, and adolescent health. Students will complete research investigations and learn and present about a field of psychology.
Assessment will also be based on reviews of research, completion of a scientific poster on a clinical disorder, research on risk taking behaviours during adolescence, and an end of semester exam.
Students intending to undertake VCE Psychology are recommended to take this elective in Year 10.

Subject Contact: Ms. Ryan/Ms. Gaetano

Return to Contents Page

Learning area: TECHNOLOGY

APPLIED COMPUTING

Computing is an integral part of our lives and will become more so in the future. Understanding digital technology and developing skills in this area is a way of future-proofing for students personal and working life. This course develops students' understanding and skills in online systems and networks, computing, digital design and programming. It also explores the how and why of the digital world. In addition, it develops creative problem-solving skills through the design and development of digital technologies.
Area of focus include:

- investigate online systems and browser technologies, considering privacy and security requirements
- develop an understanding of how digital technology functions and the skills to create digital technology yourself
- learn about designing and evaluating user-friendly solutions
- design algorithms and data structures that drive software
- learn programming and computational thinking through the design of programs.

Contact Teacher: Mr. Eldridge

AUTOMOTIVE

Students in this class will gain advanced skills and knowledge of mechanical standards. Students will learn about engines, maintenance, mechanical engineering, and Occupational Health and Safety practices. Students will focus on correct terminology, WorkSafe standards, and rebuilding a single cylinder engine.
Some of the topics covered:

- Two stroke engines (small lawn mowers)
- Four stroke engines (4, 6, 8 cylinders)
- Remove and replace tyers and wheels
- Battery and alternator maintenance
- Remove and replace drive/serpentine belts
- Cooling system
- Wiring your first in-car stereo head unit
- Replace and remove brake pads and discs
- Learner Permit theory

Contact Teacher: Mr. Huynh

FOOD STUDIES

This elective will develop an understanding of health and nutrition in Australia. Students will learn about meal planning, budgeting, sustainability, and the influences on food choices – advertising and labelling. Students will also examine modern Australia and its multicultural influences. There will be a focus on safe food handling, hygiene, safety, storage, preparation and cooking techniques. Students will spend a significant proportion of class time on the theoretical components of the subject and some of the time in practical cooking sessions.
Assessment will be based on class work, investigation projects, and presentations, design briefs, written tasks as well as practical food production.
Subject Contact: Mr. Beckley/Ms. Nasr

PRODUCT DESIGN &TECHNOLOGY- WOOD (FULL YEAR ELECTIVE)

Students in this class will gain advanced skills and knowledge of joinery, and the safe use of portable power tools is a feature of this course. Students will focus on the appropriate use of materials for specific purposes, enhanced problem-solving skills, and develop an understanding of the relationships between materials, products, and design. Students will develop an awareness of material costs, and apply accepted graphic techniques to designs, and to produce working plans.
Assessment will be based on the use of safe and skillful techniques, completion of all set practical work, completion of all homework and assignments.
Students intending to take VCE Wood are encouraged to complete Year 10 Wood.

Subject Contact: Mr. Huynh / Mr. Lacey

SYSTEMS ENGINEERING (ROBOTICS)

Programming languages and robots are all around. Discover ways in which to program and use robots to assist lives, and to have fun…
Do you like to know why things work the way they do?
Do you want to start to learn how to code and even complete against others (from our school and possibly interregional or interstate???)
Do you want to become and engineer or work with programming languages?
To begin to discover the world you are going to be living in and more, select this elective.
We will be covering different programming languages used today and in the future for robot control. We will be investigating the future that students will be going into. We will be looking at the electronics behind the mysteries that is today's electronic world.
It is recommended that students wanting to study VCE Systems Engineering undertake this elective.
Assessment will be based on Learning Tasks, class activities, reports, and an end of semester exam.

Subject Contact: Mr. Zivave

Return to Contents Page