



MOUNT ERIN COLLEGE

**Year 9 Subject Guide
2020**



WELCOME TO THE YEAR 9 PROGRAM AT MOUNT ERIN COLLEGE

Dear Year 9 2020 student,

It is with a great deal of pride and pleasure that Mount Erin College formally offers the Year 9 Program for 2020. The Year 9 Program has been developed by a dedicated group of staff and is based on significant educational research and thinking.

The Year 9 program is designed to enhance the learning outcomes of all students by ensuring that you are actively engaged in your learning. The team has used extensive research into current practice to provide a learning environment for students that is engaging, productive and supportive. The Year 9 Program consists of three parts: core subjects, the Year 9 Centre Program and electives.



The core covers the curriculum areas of English, Maths, Science, Humanities and Physical Education. The core elements of these subjects focus on the explicit skills that equip students with the technical knowledge required for success in the future.

The College's Year 9 Centre Program is highly structured and the learning activities, events and work requirements are clearly documented. It is anticipated that the Year 9 Centre Program will assist you to make a successful transition into the Senior School. The personalised nature of the program enables you to focus on your skill development through a commitment to continuous improvement.

The Year 9 Elective Program provides a wide range of elective subjects that provide opportunities to enhance your skills, follow your passions, and explore areas for potential future career pathways.

Please read the following information carefully. It is important that you and your parent/guardian/s work together in planning courses and choosing electives. Members of the College staff are always available to answer questions or to provide further information should it be required.

On behalf of all staff at Mount Erin College, I wish you every success for the future!

Karen Lee
PRINCIPAL



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Building and Construction for Beginners	\$30
Coaching for Advanced Performance	\$10
Design and Technology	\$90
Drama – Acting and Character	\$20
Drama – Theatre Making	\$20
Drawing and Illustration I	\$15
First Aid Program - Semester 1 and/or Semester 2	\$65 (\$130 full year)
Food Around the World	\$100
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Forensic Science	\$35
General Art	\$50
Indonesian – Semester 1 and/or Semester 2	\$60 (\$60 full year)
Marine Biology	\$35
21 st Century of Electronics and Design (Semester 1)	\$30
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Year 9 Program Structure

Research shows that students learn best when they are healthy, safe and happy. The establishment of positive relationships and an environment for students that is engaging, productive and supportive will contribute to improved student learning outcomes.



Competent learners begin to use more sophisticated cognitive strategies than in earlier years. For instance, they are aware of, and capable of, reflecting on the differences between mathematic, scientific, literary, historical and artistic methods. They are flexible learners who apply a number of approaches to understanding information in different methods.

They value opportunities to explore new ideas in depth, commonly in cooperation with their peers, in an environment where they are encouraged to take intellectual risks.

At this stage, learning is enhanced by opportunities for students to participate in projects they believe to be relevant and important to their lifestyle or career goals that occur over extended periods and are learner directed. These projects encourage deep thinking, a process that gives students an opportunity to apply knowledge and skills flexibly, and to develop a meaningful sense of their application and purpose. To think deeply, students need to relax and consider all of the relevant angles from which an idea might be considered. Students construct a thinking framework that follows a process from conception to application.



As well as developing skills for increasingly sophisticated and specialised learning, students require the skills to effectively participate in their communities and workplaces. Students will have commenced learning these skills previously but require a level of competence for them to participate in projects where they may initiate and apply skills. These skills include: basic fundamental skills (for example, literacy, numeracy, technology); people skills (for example, communication, team-work,

customer service); thinking skills (for example, organising, problem-solving, creating, planning); personal attributes (for example, for one's own health and physical wellbeing, flexibility, self-esteem); business skills and community skills.

Choosing an Elective Program

Students should choose a balanced program by identifying their strengths and weaknesses, their areas of interest and areas which might provide prerequisites for further studies (for example, students may wish to choose one unit of a subject they might be planning for Year 10 or 11). A typical year 9 fortnightly program for a student not within an academy would look like:

Subject	Number of Classes	Subject	Number of Classes
English	8	Year 9 Centre	6
Maths	8	Humanities	5
ASPIRE	1	Science	5
PE	4	Elective 1	4
Health	1	Elective 2	4
		Elective 3	4

ASPIRE Values and Year 9

Year 9 students are expected to display the key values of the College: Adaptability, Social Awareness, Personal Best, Integrity, Responsibility, and Excellence. These can be displayed in many ways throughout Year 9 both inside and outside of the classroom.

Beyond the Classroom

At Mount Erin College we aim to ensure that the Year 9 experience is one in which the passions of students are an integral part of their learning. It is very important at this stage of life that students develop a clear sense of community by participating in opportunities provided for them inside and outside of the school.



MESEM

The Mount Erin Student Events Management (MESEM) provides many opportunities for Year 9 students to show their leadership skills and assist in the organisation of many events across the college including sporting activities, Mount Erin Idol, School Free Dress Days.



Student Leadership Opportunities

There are a large number of opportunities that present themselves throughout the year from competitions to public speaking such as the Lions Youth of the Year awards.



Student Management

To provide a high level of support each Year 9 class is led by a Home Group Teacher who will also take the class for their Year 9 Program class. This builds a strong relationship between staff and students and promotes wellbeing and connectedness to school.



Village Baxter

There are a number of fantastic opportunities that Year 9 students have to participate with residents of Village Baxter. These opportunities provide valuable relationship building opportunities for both Village Baxter residents and Year 9 students. This is one of the highlights of the year for many students.



First Aid

As a Year 9 Elective, students have an option of participating in community based activities using their learnt First Aid skills.



City Week

Students learn a greater appreciation of the world they live in by participating in City Week. Students travel to and from Melbourne and increase their understanding of Melbourne and how it impacts on them.

The Year 9 Centre



The Year 9 Centre offers a 'real life educational experience' that is outward-looking and expansive, connecting our students to the wider world of knowledge, ideas and experiences that exists beyond our gates. The Year 9 Centre is based on providing Personalised Inquiry Learning which is student centred and negotiated. It involves students identifying and resolving complex inquiry/s. The rigour is real as many of the tasks are real. Motivation is increased as students have more control of their own learning. In 2020 students have options to develop research projects around such themes as 'Melbourne – What role can I play?', 'My Life: Making Choices that are right for me', and a 'Passion Project' highlighting individual passions. A central part of the program is based on interactions with the local community by providing options for students to participate in community based activities that benefit both the students and the community.



Explicit skill teaching is still a central part of the program to prepare them for the rigour of the senior years of schooling. Research shows this style of learning to be very successful both in Australia and internationally, particularly for students at this age. It involves large blocks of time over which the student has direct control of what they do and how they choose to meet negotiated outcomes and time lines. Programs of this nature typically show improved attendance, performance, engagement and motivation by participating students.

In 2020, the Year 9 Centre will operate for 3 sessions per week. The other 16 sessions are made up of core studies in English, Mathematics, Science, Physical Education and Humanities and their three electives per semester. All research Inquiry activities or projects the student undertakes will require components of these core subjects to be completed.

Year 9 Elective Subjects Confirmation and Payment

All subjects have a resource levy attached to them. These levies are considered '**Essential Education Items**' and are expected to be paid in full as a requirement of enrolment at Mount Erin College (as outlined in the DET Parent Payment Policy and requested by the **College Board**). Payment of the '**Essential Education Items**' charges is vital. These charges relate directly to materials every student uses in the course of their day-to-day learning. The school relies on these payments to ensure we are able to fund the many educational programs on offer.

Important to note:

- Payments for all subjects must be made by **Friday, 15th November 2019** ready for Early Commencement which begins in the last week of November. This will ensure your student is confirmed in their allocated subjects.
- If you are unable to pay your '**Essential Education Items**' charge in full by the due date, a payment plan must be arranged and the first payment commenced by this date. This can be arranged with the Business Manager.

SEAL, ARTS, SPORTS ACADEMIES

Mount Erin College academies have produced specific information relating to pathways and subject selection for Academy students. This information has been provided in a separate handout in the middle of this book. Please do not hesitate to contact the leaders of each program for further assistance.

CORE Subjects

The Core subjects of English, Maths, Science, Humanities and Health and Physical Education are compulsory for all students in Year 9.

Core Subject:

English

Yearly Cost: \$35

The study of English is essential for students in developing the knowledge and skills needed for education, training and the workplace. It helps create confident communicators, imaginative thinkers and informed citizens. It is through the study of English that individuals learn to analyse, understand, communicate with and build relationships with others and with the world around them. It helps them become ethical, thoughtful, informed and active members of society. It is with this in mind that the Mount Erin Year 9 curriculum has been developed, in conjunction with the Victorian Curriculum and the three interrelated strands of Language, Literature and Literacy.



Together the strands focus on developing students' knowledge, understanding and skills in listening, reading, viewing, speaking, writing and creating. Students at year 9 will build on the concepts, skills and processes established in earlier years and will continue to develop these through tasks designed to extend students at a personalised level. Students will be encouraged to challenge themselves through curriculum designed to prepare students for future pathways.

Skills and activities: Students create a range of imaginative, informative and persuasive types of texts including narratives, oral presentations, discussions, literary analyses, media texts and digital and multimodal representations. For example, students will read and analyse current media issues and present ideas through persuasive writing and oral responses. Additional activities encourage students to explore varied texts – from novels, films, songs and poetry – and analyse them for thematic constructs, character development, narrative structure and language and form-specific techniques. Students will have an opportunity to not only analyse literary works but to create their own across varied forms and for varied audiences.

Assessment:

- Varied writing tasks
- Reading and text analysis
- Oral presentations

In conjunction with the Language and Literacy programs of the Year 9 Inquiry Centre students in English will be encouraged to extend these skills into broader theme-based units with the purpose of identifying and conveying meaning. Students will be encouraged to appreciate, enjoy and use language to evoke feelings, convey information, form ideas, facilitate interaction with others, entertain, persuade and argue.



CORE Subjects

The Core subjects of English, Maths, Science, Humanities and Health and Physical Education are compulsory for all students in Year 9.

Core Subject:

Mathematics

Yearly Cost: \$35



Learning mathematics creates opportunities for and enriches the lives of all Australians. It develops the numeracy capabilities that all students need in their personal, work and civic life, and provides the fundamentals on which mathematical specialties and professional applications of mathematics are built.

Mathematical ideas have evolved across all cultures over thousands of levels, and are constantly developing. Digital technologies are facilitating this expansion of ideas and providing access to new tools for continuing mathematical exploration and invention. The curriculum focuses on developing increasingly sophisticated and refined mathematical understanding, fluency, logical reasoning, analytical thought and problem-solving skills. These capabilities enable students to respond to familiar and unfamiliar situations by employing mathematical strategies to make informed decisions and solve problems efficiently.

During Year Nine, students will study the following content strands:

- **Number and Algebra**
- **Measurement and Geometry**
- **Statistics and Probability**



The content of these strands is explored and developed using the following proficiencies:

- **Understanding**
- **Fluency**
- **Problem solving**
- **Reasoning**

Following Year 9 Mathematics students can access either Year 10 Enhanced Mathematics or Year 10 General Mathematics. However, only students who undertake Enhanced Maths at Year 10 may continue to Maths Methods and Specialist Maths in VCE. Year 9 students should be aware that they will need to be achieving at Level 9.0 by the end of Year 9 to access Enhanced Maths and will need a recommendation from their Year 9 teacher to do so.

Assessment:

- Pre and Post Tests
- Problem Solving Tasks
- Assignments
- Projects
- Common Assessment Tasks

CORE Subjects

The Core subjects of English, Maths, Science, Humanities and Health and Physical Education are compulsory for all students in Year 9.

Core Subject:

Science

Yearly Cost: \$35



Science provides an empirical way of answering interesting and important questions about the biological, physical and technological world. The knowledge it produces has proved to be a reliable basis for action in our personal, social and economic lives. Science is a dynamic, collaborative and creative human endeavour arising from our desire to make sense of our world through exploring the unknown, investigating universal mysteries, making predictions and solving problems. Science aims to understand a large number of observations in terms of a much smaller number of broad principles. Science knowledge is contestable and is revised, refined and extended as new evidence arises.

In Year Nine students will study the following concepts:

- Reaction Rates
- Body Co-ordination
- Electricity
- Ecosystems
- Plate Tectonics
- Materials Chemistry
- Heat, Light and Sound

The Victorian Curriculum:

The Victorian Science curriculum provides opportunities for students to develop an understanding of important scientific concepts and processes, the practices used to develop scientific knowledge, the contribution of science to our culture and society, and its applications in our lives. The curriculum supports students to develop the scientific knowledge, understandings and skills to make informed decisions about local, national and global issues and to participate, if they so wish, in science-related careers.

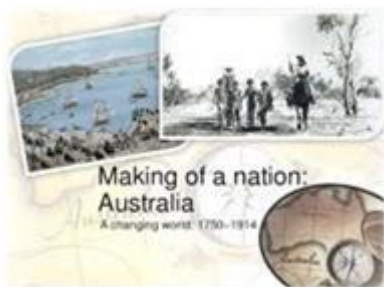
Assessment:

- Topic Tests
- Experimental Design and Reports
- Assignments

CORE Subjects

The Core subjects of English, Maths, Science, Humanities and Health and Physical Education are compulsory for all students in Year 9.

Core Subject: **Humanities** Yearly Cost: \$25



Assessment:

- Research Reports
- Analysis Skills
- Major Research Presentations
- Essay



Students will study these units in depth:

1. **History**
Industrial Revolution, WWI, Between the wars
2. **Geography**
Biomes, Melbourne
3. **Business and Economics**
Trade, Be Real Game
4. **Civics and Citizenship**
Indigenous rights, Government

The Year 9 curriculum provides a study of the history of the making of the modern world from 1750 to 1918. It was a period of industrialisation and rapid change in the ways people lived, worked and thought. It was an era of **nationalism** and **imperialism**, and the colonisation of Australia was part of the expansion of European power. The period culminated in World War I 1914-1918, the 'war to end all wars'. The Year 9 curriculum provides a study of geography, with a particular focus on Biomes and Human geography in the development of Melbourne. Students will consider how and why Melbourne developed as well as the factors that have led it to be considered one of the most liveable cities in the world.

The content provides opportunities to develop historical understanding through key **concepts**, including **evidence**, **continuity and change**, **cause and effect**, perspectives, **empathy**, **significance** and **contestability**. These **concepts** may be investigated within a particular historical context to facilitate an understanding of the past and to provide a focus for historical inquiries. A framework for developing students' historical knowledge, understanding and skills is provided by inquiry questions through the use and **interpretation** of sources.

Students will gain an understanding of Australia's political system and how it enables change. Students examine the ways political parties, interest groups, media and individuals influence government and decision-making processes. They investigate the features and principles of Australia's court system, including its role in applying and interpreting Australian law. Students also study the purpose and work of the High Court. They investigate the values and practices that enable a democratic society to be sustained.

Students consider how the Australian economy is performing and the importance of its interactions and relationships with the Asia region and the global economy in achieving growth and prosperity. This includes the significance of trading relationships in supporting prosperous outcomes for the economy and the business sector. Students continue to develop their consumer and financial literacy knowledge and skills by identifying sources of finance for consumers, businesses and the government and explaining the role of financial institutions in their interactions with consumers, businesses and the government. They investigate the different strategies for managing financial risks and maximising rewards across an ever-changing financial landscape.

CORE Subjects

The Core subjects of English, Maths, Science, Humanities and Health and Physical Education are compulsory for all students in Year 9.

Core Subject:
Physical Education
Yearly Cost: \$50
(includes \$40 Flexibook)



Students will be involved in a wide range of activities relating to the Victorian Curriculum. These include: Human Movement, in which they plan and implement ways of improving their own physical performance and technique during sporting activities, and Physical Activity in the Community, in which they undertake a range of activities outside of school to extend their knowledge and learning experiences. The program involves Community Recreation Activities and a Surf Lifesaving Aquatic program.

Physical Education is part of a sequential 7 – 10 program. It is offered as a specific subject in Year 9 and in an integrated format in Year 10. Physical Education in Year 9 is a purely practical subject conducted in and out of the school environment.

Skills and Activities: Throughout the year students will be provided with the opportunity to evaluate performances of themselves and others, whilst undertaking various complex, sequenced movement patterns. Students will participate in a range of sporting activities in and out of the College with all classes being provided with opportunity to further their knowledge and Physical Education experiences via participating in a range of practical activities conducted off campus at local sporting venues. Through involvement in activities such as Golf, Recreational Football, Futsal, Yoga/Pilates, Netball, Ultimate Frisbee and European Handball students will also be provided with opportunities to analyse and develop their understanding of group tactics and skills, as well as develop their umpiring and coaching skills.

Assessment:

All assessment for Physical Education is based during practical sessions including:

- ability to participate in moderate to vigorous physical activity.
- ability to identify strategies to improve their skill development and game performance



City Week

Cost: \$60

The aim of the 'City Week' is to provide students with the experience of working within the City of Melbourne: the development of their group and individual working skills and to gain knowledge and confidence in negotiating the City.

The City offers immersions into multi-culturalism. The university, legal and parliamentary precincts are readily accessible. The world of work provides living examples of those whose personal qualities and skills have enabled them to find worthwhile and stimulating employment. The City is alive with evidence of creative and expressive artists, sports heroes, talented writers and entertainers.

Students will use inquiry based learning to develop a major showcase event to be presented to parents that will reflect their learning from this experience.







"Year Nine City Week was a memorable occasion. We visited plenty of places that were important to Melbourne, including the Eureka Sky Deck/Tower, The Big Issue Classroom, Old Melbourne Gaol and went on the Urban Scrawl Street Art Tour."

In our free time we were to research a certain aspect of Melbourne. My friend and I chose "Architecture in Melbourne" and visited many interesting places, including the Hotel Windsor, Regent Theatre, Princess Theatre and Federation Square. City Week, overall, was fun and educational. I learnt plenty about how much Melbourne has changed and grown to keep up with modern expectations. If there was the choice I would definitely go on City Week and I recommend it to future Year Nines!"



Elective Subjects

	<p>Algorithms and Programming Semester Cost: \$35</p> <p>This elective introduces the foundational concepts of computer programming, which unlocks the ability to make rich, interactive apps. Students use JavaScript as the programming language, and App Lab as the programming environment to build apps, but the concepts learned in these lessons span all programming languages and tools.</p>
	<p>Building and Construction for Beginners Semester Cost: \$30</p> <p>Students working through the design process to investigate, design, produce, analyse and evaluate models constructed by the student. This subject will provide an introduction to anyone wanting to prepare themselves for the building and construction VET course (Certificate 2) and give them the basic skills and knowledge for various wood trades such as carpentry and cabinet making.</p>
	<p>Coaching for Advanced Performance Semester Cost: \$10</p> <p>This elective will be catered towards students with a keen interest in furthering their development in physical education. This unit will cover things such as tactics in games, strategies, player maintenance, and recovery strategies for optimal performance. Students will look at and utilise a range of technologies used in the elite level of sports player management and technique and performance analysis. Students will get the opportunity to evaluate their own performances, using different methods such as video reviews, to improve their success during a game setting.</p>
	<p>Design and Technology Semester Cost: \$90</p> <p>Students will be introduced to the design process using a range of different types of materials to produce well designed and finished products. They will be required to create, make and evaluate their own products by constructing a series of models throughout the semester.</p> <p>The associated theory tasks involve students investigating the safety requirements, tools and equipment required to successfully make projects of their choice. This also includes construction techniques and properties of various types of materials relevant to their selected projects. This subject is preparation for further studies in woodwork and VCE Design Technology (Wood) and provides students with an introduction to skills that would be required in the various wood trades, such as carpentry, cabinet making, building and construction, etc.</p>



Drama – Acting and Character

Semester Cost: \$20

This subject offers students the opportunity to explore and engage with different theatre makers and their performance styles, such as Comedy, Tragedy, Improvisation and more. As part of the course, you will work individually and in groups to present various types of characters in these different styles. You will develop the skills for acting on stage, through the creation of monologues, duologues and ensemble performances. This subject will also help you develop teamwork skills, initiative, leadership abilities and confidence for life. If you enjoyed Drama in Year 7 or 8 you should choose this subject.



Drama – Theatre Making

Semester Cost: \$20

This subject focuses on all parts of theatre making and production. You will gain experience in lighting, sound, costume design, set making and directing/producing as well as performance. This unit is well suited to anybody who is interested in any aspect of theatre making and is a fantastic opportunity for budding young theatre makers to create a performance from the ground up and become an expert in a chosen area of performing arts. Whether your interests lie in lighting and sound, direction or costume making, there is something for everyone. If you enjoyed Drama in Year 7 or 8 you should choose this subject.



Drawing and Illustration I

Cost: \$15

In this subject students will adapt a variety of drawings and illustration techniques to create a series of artworks. They will study a variety of drawing techniques and develop skills in the art of drawing. Students will also get exposure to the area of illustration and study the art of putting image with text. Students will develop an understanding of how to create a folio of artworks through a creative exploration of ideas, materials and techniques. This subject is an excellent preparation for the study of art and visual communication design.



First Aid Program **Semester Cost: \$65**

Mount Erin College in conjunction with Allens Training is proud to offer first aid as an elective. First Aid students learn all aspects of first aid from bites and stings to defibrillation. After completing their level two first aid certificate, the students offer exemplary first aid at all events within the school curriculum. Students could participate as first aiders at events such as Sports Day, Swimming Carnival, Open Night, Medieval Day, Whole School Assembly, and Mount Erin Idol. Students could also assist adult first aiders on camps and excursions. Students will also have the opportunity to attend the St John Ambulance Frankston division cadet program. Here they will access events within the St John calendar such as football at the MCG, Etihad and AAMI Park and other local events where adult members from a local division are participating. Current examples of events that cadets can attend are Anzac Day dawn service and parade, Puffing Billy Great Train Race and the Mother's Day Classic marathon. Students can study First Aid in Semester 1 only (9FAI1) OR in Semester 1 and 2 (9FAI1 & 9FAI2). The aim of this elective is to ensure that young people are given the opportunity to not only learn valuable life-saving first aid but also to use those skills in the community.



Food Around the World **Semester Cost: \$100**

Food Around the World has an inter-disciplinary approach to student learning and an understanding of the impact of other cultures on the Australian cuisine. Students will be introduced to current food trends and influences of multiculturalism in their meal patterns today. Students will enjoy the sharing of food, exchanging experiences and discussion over the delights of dishes from other countries. Students will develop an understanding of other cultures and differences through the food medium. This course will extend the student's knowledge, cultural awareness and understanding of food related topics. Students' skills will develop in problem solving, management, decision making and healthy food choices. This subject is in preparation for VCE Food Technology and provides an introduction to skills required in the Hospitality Industry.



Food For Fun **Semester Cost: \$100**

This unit is designed for students to partake in a 'hands on' course that develops practical skills using the food preparation skills previously learnt. Students will undertake a range of challenging tasks while gaining an understanding of food preparation activities and making cooking a fun experience. The course will extend students knowledge of food and preparation skills while integrating thinking skills, problem solving and team work and giving them an understanding of the enjoyment which can be achieved through food technology. This subject is in preparation for VCE Food Technology and provides an introduction to skills required in the Hospitality Industry.



Forensic Science

Semester Cost: \$35

In Forensic Science students study procedures that are used by Forensic Scientists to solve crimes. Students undertake theoretical and practical tasks including: fingerprinting; hair and fibre analysis; identifying forgery; analysing blood and DNA; casts and impressions; soil analysis; and traffic accident investigations. They recognise and observe fingerprint patterns and analyse their own fingerprints. Students study the structure and function of DNA, the nature of chromosomes and the principles of inheritance. They identify crime scene suspects by applying blood typing analysis and DNA profiling techniques. Students examine how facts obtained at a crime scene contribute to creating a profile of a criminal. They explore how Forensic Scientists make connections between known facts and criminal profiles to assist in the apprehension of criminals.



General Art

Semester Cost: \$50

All artists want to try a variety of techniques to become more individual when creating and making their artworks. By experimenting with and developing a variety of relevant skills our students will explore a variety of artistic media to work with to develop their ideas, art style and finished works. They will create both 2D and 3D images from printing and sculpture, painting and drawing and even computer aided art using a variety of software. All starting points will be developed through a design and thought process. Students will be able to progress their initial ideas by using a variety of skills and materials. Through the study of a number of contemporary artists and art forms, they will further enhance their ideas and knowledge. Written analyses and assignment work is to supplement their learning and an integral part of their development. A strong creative flair is to be encouraged and endless possibilities for the students are entirely up to their inspiration and personal desire to learn more.



Indonesian

Semester Cost: \$60* Full Year Cost: \$60*

**Both include Education Perfect valued at \$40.*

The study of Indonesian at Year 9 consolidates the learning of the last two years and develops skills across the areas of reading, writing, speaking and listening. A host of other key skills are improved, including: problem solving, public speaking and memory skills. Students greatly enhance their range and of understanding of both Indonesian and English grammar, as they learn one through the other. They will also gain invaluable knowledge about a culture other than their own. Students have the opportunity to engage in hands-on activities and to partake in an excursion where the language can be used in real life situations. The key topics of the course are: Term 1 – Weather and Climate, Term 2 – Food and Ordering, Term 3 – Entertainment and Hobbies, and Term 4 – Sickness and Health. Given the highly sequential nature of language learning, students are encouraged to study Indonesian for the whole year. However they may choose to study it for one semester only, provided they meet the minimum requirement of three semesters over Years 9 and 10. Please note: if the elective is to be studied for one semester only, it must be Semester One.



Marine Biology **Semester Cost: \$35**

Through the marine biology course, students will investigate human impacts on the ocean as well as explore a range of different animal groups including invertebrates, mammals, sharks, reef and pelagic fish. Students will analyse the structure of marine creatures with a dissection of a squid and fish, as well as investigate a range of fish behaviours and their benefits. Students will also be introduced to topics which will support senior biology such as photosynthesis and transport of molecules regarding salt and water regulation in marine animals. Students will also develop scientific skills through designing an experiment and conducting it in the field.



21st Century of Electronics and Design (Semester 1) **Semester Cost: \$30**

Students will be able to understand the design and the manufacturing process of the Docking iPod. Each Student will gain knowledge in a number of areas including component identification and placement of the components onto the circuit board. Students will also have the chance to use the 3D printer and design the enclosure for their project. This unit will be running in Semester 1 only and it is the first unit in a series of 2.



Microcontroller Technology (Picaxe) Semester 2 **Semester Cost: \$70**

This study provides an opportunity for students to develop capabilities in and knowledge about the design, operation, construction, assembly, maintenance, repair and evaluation of technological systems. Students have the opportunity to develop skills with mounting and soldering of components. Students will also be introduced to the world of Microcontrollers, and will assemble and program the Picaxe 14M2 to investigate a range of functions. They will also be able to identify and describe the function of a range of electronic components. This unit will be running in Semester 2 only and is the second unit in a series of 2.



Music **Semester Cost: \$20**

No prerequisite needed. Have you wanted to play/learn an instrument or sing? Have you wanted to be in a band, ensemble or singing group? Well this is your opportunity to experience and develop these skills and learn how to read music. You will also study the music in feature films & TV advertising and create your own work. This subject will lead to Year 10 Music or VCE Music Performance.



Outdoor Recreation **Semester Cost: \$180**

This subject is designed to give students the opportunity to engage with the environment outside the classroom while examining theory topics such as outdoor safety, risk minimisation, first aid and how skills analysis can enhance performance in an outdoor setting. Students will have the opportunity to participate in a wide variety of outdoor activity settings including rock climbing, surfing, hiking, and snorkelling.

This subject is designed to support and reinforce pastoral curriculum in the most practical of settings. Students working together in small, professionally facilitated groups will deal directly with concepts such as leadership, inclusiveness, the value of working towards a common goal and the recognition of the unique attributes each individual can bring to a team.



Photomedia
Semester Cost: \$50

All Photographers use a variety of tools and techniques to create their work. Students will learn camera skills teamed with digital manipulation with Adobe Photoshop to create individual artworks. They will follow a design process where self-expression is encouraged and a basic theme is chosen by the student, with the results entirely up to their own imagination and creativity. They will be able to develop their initial ideas using a variety of skills and materials. Students will study and respond to the work of famous photographers and will learn some of the 'tricks of the trade' such as 'airbrushing' images, use of filters and two-dimensional image manipulation. Students study the way we use media and the technological changes that have occurred. They will explore popular film genres and study representation, codes and conventions used. They will also learn how to plan and undertake a short film, including camera, editing and production techniques. This course can lead on to further studies in Digital Photography, VCE Media, VCE Studio Arts or Certificate III in Interactive Digital Media.



Space and Astronomy
Semester Cost: \$15

In this integrated Science and Technology unit, students will look at the Science and Technology of space and the exploration of space. Students will investigate our solar system and discover the knowledge we have gained from the exploration of space. Students further their understanding of the night sky through an excursion to the planetarium and possibly the Victorian Science and Space Exploration Centre (VSSEC).



Sports & Exercise Science
Semester Cost: \$10

This elective is catered towards students with a keen interest in furthering their knowledge with regards to sport and exercise science. Students will look at the evolution of training techniques and methods used to improve sporting performance. Topics such as training methods, recovery techniques, dietary and non-dietary aids to performance and alternative therapies will be covered. Functional anatomy and physiology relevant to improvements in sports performance through proper training and dietary considerations will be studied. Students will attend, research and analyse elite sporting environments and look into the cutting edge practices adopted by clubs to gain the winning edge.



The Internet

Semester Cost: \$10

What can be represented with a single bit and how do we get a single bit of information from one place to another? This elective explores the technical challenges and questions that arise from the need to represent digital information in computers and transfer it between people and computational devices. Topics include: the digital representation of information - numbers, text, images, and communication protocols.



Visual Communication

Semester Cost: \$40

This unit gives students the opportunity to create designs across a variety of areas in a positive and creative environment. They explore a variety of drawing skills including illustration, technical, architectural and perspective drawing. Observational, visualisation and presentation drawings are created utilising both digital and manual methods. Students develop skills that allow them to visualise and refine their design ideas for a range of areas from the Environmental, Industrial and Communication fields. Students explore and utilise the design process and gain an understanding of how design skills are utilised across a variety of industries including fashion, product, advertising, architectural and web based design.



Woodwork

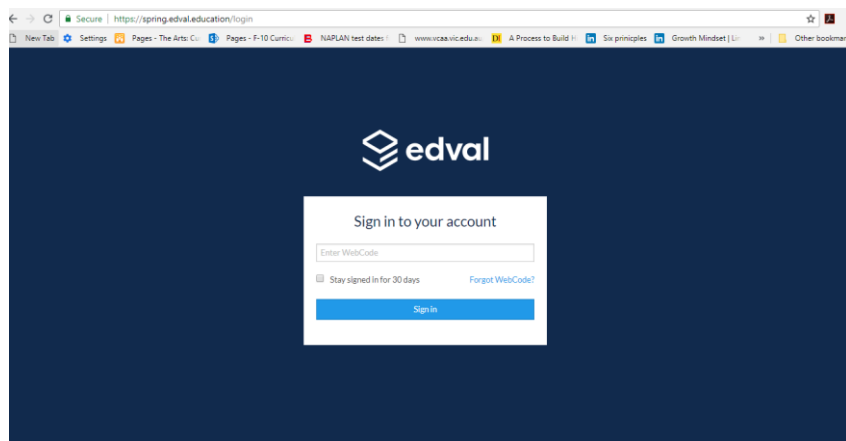
Semester Cost: \$85

Woodwork is an area of learning in which students gain knowledge to develop skills through designing, using appropriate tools, machines, mechanisms and resources to produce practical results. This course is designed to enable students to acquire a variety of hand skills, design considerations/constraints and safe working habits. This is achieved through the construction of projects encompassing necessary processes, various hand tools and materials. This subject is preparation for further studies in woodwork and VCE Design Technology (Wood) and provides students with an introduction to skills that would be required in the various wood trades, such as carpentry, cabinet making, building and construction, etc.

Year 9 Elective Subject Selection for 2020 is being completed online as follows:

Go to <https://spring.edval.education/login> to complete your selections.

At this screen enter your unique web choice code printed on the front of this book eg. TL5LN5M



In this screen make subject selections from the drop down boxes for both main preferences and reserve preferences. You must select 6 main preferences and 3 reserve units.

Choice

Year:2019 Peter Pan (Test student Yr9)

Electives

Main Units	Subject	Fee	Units
Preference 1	21st Century of Electronics and Design	\$30	1
Preference 2	Building and Construction for Beginners	\$30	1
Preference 3	Marine Biology (\$35.00)	\$35	1
Preference 4	General Art (\$55.00)	\$55	1
Total		\$150	4

Cancel Submit

Reserve Units	Subject	Fee	Units
Reserve 1	Drama - Acting and Character (\$10)	\$10	1
Reserve 2	Forensic Science (\$35.00)	\$35	1
Reserve 3	Food For Fun (\$105.00)	\$105	1
Total			3

Notes

Please select:

- 4 electives in order of preference (Number 1 is the subject you want the most.)

- 3 reserve preferences. Reserves will be granted only if a main preference is not available.

NOTE:

--> Indonesian may be selected in one or both semesters.

--> AEP students must select Athlete Enhancement Program.

--> Arts Academy students must select Arts Academy.

--> Non academy students must not select Arts Academy or Athlete Enhancement Program.

Once complete, hit SUBMIT and you will see a confirmation page showing the selections you have submitted. It is essential that you **PRINT this form, get it signed and return it to the box at the ADMINISTRATION OFFICE** in order to confirm your subject selection.

Course selection will be open **from Thursday, 27th June 2019 until Monday, 22nd July 2019**. All selections must be finalised by this time.

**PLEASE REFER TO THE “IMPORTANT DATES AND KEY CONTACTS”
PAGE INSERT FOR MORE DETAILS.**