

Year 9 Electives 2025 – Subject Selection Handbook

Advanced Maths

This elective aims to extend and challenge those students who are currently excelling in Mathematics and wish to advance their Math knowledge. The course will build on the Year 9 course, aiming to extend students beyond the Year 9 level. Students will work collaboratively with others on problem based learning tasks and real life problems.

Students will investigate:

- Total surface area and volume
- Using linear graphs
- Inequalities
- Solving Complex linear equations
- Solving Quadratics

Pre-Requirement: Student suitability is subject to a reference from your current teacher.

Maths & The Real World

What does Mathematics have to do with the real world? Everything! Maths helps us shop, build, cook, solve problems, travel and design - and that is just to name a few uses! Maths is everywhere! In Maths & The Real World core concepts and skills that are covered in the Year 9 Curriculum will be used to solve a range of problems and tackle a set of projects. Students will be immersed in a range of projects that incorporate a range of skills from the three core strands of Maths: Number & Algebra, Statistics and Probability and Measurement & Geometry.

Literature (Advanced English)

Students in the Literature elective will study a range of literary texts, including novels, short stories, poems and song lyrics. They will investigate the historical contexts of different narratives and identify the social values that have influenced these works. Students will analyse the goals and fears that motivate characters. They will also compare how similar themes can be addressed through different narratives.

Pre-Requirement: Student suitability is subject to a reference from your current English teacher.

Forensic Science

This subject aims to introduce students to a field of science that draws on the collaboration of numerous scientists in their endeavour to use scientific evidence to solve crime.

Students will be provided with problem solving opportunities where they need to apply a variety of scientific techniques. Students will develop higher order thinking skills by analysing and evaluating data in the same way forensic scientists do with real-life case studies.

Students will investigate:

- Hair and fibre identification
- Fingerprinting and collecting latent fingerprints
- Blood spatter analysis
- DNA fingerprinting
- Forgery including digital forgery
- Impression evidence, including bite, tool and tyre marks
- Ballistics
- Soil forensics

Medical Science

This elective aims to introduce students to the field of Medical Science. The focus will be on infectious diseases and their impact on society. The effects of diseases on the human body will be covered, including causative agents and their prevention and treatment. Current medical science issues and advancements will be studied. Students will design their own experiments and investigate a profession in the medical science field.

Students will investigate:

- Different types of pathogens
- Transmission and symptoms of disease
- Treatment and preventative measures of disease
- Measures hospitals take to prevent infections
- Medical advancements and vaccinations
- Current issues in medical science

Psychology

This elective aims to introduce students to the basic themes within the study of Psychology. Students will create judgements about the ethics involved in famous psychology theories and cases and consider the role of ethics in modern medicine. In particular, students will focus on the three different models of learning and apply these models to real life scenarios. After reading through real psychological studies, students will create their own evaluations of the reliability of the interpretations of psychologists.

Legal Studies

You be the Judge! Legal Studies in Year 9 will start with a close look at the difference between non-legal rules and laws, the process behind how laws are made, and the role of police and the courts in Australia's criminal justice system. Students will then get the chance to become the judge and using case studies discuss, consider, and apply their knowledge of the law. Students will be required to weigh and balance the factors involved and in doing so learn about how the boundaries of the law and community values affect decisions made.

Twentieth Century History

In Year 9 Humanities you learn about the First World War... but what happened next? This elective will help you fill in the gaps. We will learn about some of the people, events and ideas that have shaped the previous century. We will enhance our historical skills through an investigation of a range of sources, including maps, documentaries and primary sources.

Business Management

Year 9 Business Management examines a broad range of issues related to the operation of businesses. Students will study the role and development of small and large businesses in Australia and the significance and importance of these businesses to the Australian economy. Students will analyse the factors that influence a successful business, focusing on case studies for specific factors including the influence consumers have, cost vs. profit, product and demand as well as supply and manufacturing. Through the assessment task, students will look closely at innovative entrepreneurs and design a product, develop a business plan, and present a mock pitch for investors.

French

The Year 9 French elective program is designed for students who have studied the fundamentals of French language in Year 7 and Year 8. In this elective, students develop their confidence and ability to communicate in spoken and written French. Their love of the French language will be fostered, as students explore the different aspects of life and culture in France and other French-speaking countries. Students may have the opportunity to go on excursions, through the internationally renowned French institution, Alliance Française, allowing them to fully immerse themselves in French culture. The elective is designed to provide a fun and interactive learning experience whereby students can use the language in authentic French contexts.

Outdoor Education

Outdoor Education aims to develop students' awareness of outdoor and adventure sports whilst increasing their appreciation of the natural world and challenging their physical and mental limits. By participating in a variety of outdoor activities, students learn safety expectations, new physical skills and ways in which they may minimise their impact on the environment.

Students will have the opportunity to:

- participate in a variety of outdoor education activities
- understand the difference between real and perceived risk
- identify safety requirements of outdoor activities
- develop new physical skills, including rope skills
- learn how to prepare for outdoor adventures
- analyse and reflect upon their experiences
- learn the importance of minimizing human impact on outdoor spaces and how this is achieved

Please note: This subject has associated costs involved (approx. \$300), in order to participate in the scheduled camp/excursions.

Australian Rules Football Development

The aim of this elective is to allow students to be members of a club and focus on the official and adjusted rules of football. Students will assess their own and others' performance, negotiate duties to be performed, run and take part in sport specific fitness activities and tests and play matches throughout a 'season'. The emphasis is on working together to improve individual and team performance.

Students will have the opportunity to:

- develop their skill level in many aspects of the sport
- learn what different roles are required to run a sporting competition
- analyse tactics used in the sport and learn how to implement them in a game situation
- develop an understanding of the fitness components required in Australian Rules Football
- work as part of a team to help develop their skills
- analyse their performance through video analysis
- identify key aspects of how to be a coach and then complete a peer coaching session

Pre-Requisite: Student suitability is subject to a reference from your current P.E Teacher.

Soccer Development

The aim of this elective is to allow students to be members of a club, participate in and develop an appreciation of the management and organisation of sporting tournaments as well as professional expectations in sports. During the course of the elective, students will cultivate their refereeing abilities in soccer as well as develop and analyse their game performance through video analysis post-match. High performance aspects of sport will be considered, with theory and practical components on nutrition, strength & conditioning, and game sense.

Year 9 students will have the opportunity to:

- develop their skill level in many aspects of the sport
- learn what different roles are required to run a sporting competition
- analyse tactics used in the sport and learn how to implement them in a game situation
- develop an understanding of the fitness components required in Soccer
- work as part of a team to help develop their skills
- analyse their performance through video analysis
- identify key aspects of how to be a coach and then complete a peer coaching session

Pre-Requisite: Student suitability is subject to a reference from your current P.E Teacher.

Advanced Sports

This subject will advance students theoretical and practical knowledge of sports. In the theoretical component, students will investigate areas of sports science and sports psychology and how this has evolved over time. In the physical component students will be challenged to extend their current fitness levels and strategic play across a number of sports.

Pre-Requisite: Student suitability is subject to a reference from your current P.E Teacher.

Visual Art

This subject will build on the skills and knowledge students have gained in past Visual Art units. It is designed to further expose them to the art making process and how to utilise the influence of artists in the development of their own artwork. Students will focus on developing practical skills in a variety of mediums throughout the semester, such as, print making, painting and drawing, among others. Students will continue to develop skills in viewing, discussing and analysing artworks, student may have the opportunity to participate in an excursion to the NGV. Through the creation of their artworks, students will receive the opportunity to express individual ideas and begin to develop their own artistic style while building a portfolio. Students will need an A4 Visual Diary for this course.

STEM (Science, Technology, Engineering, Maths)

Struggling to choose between your love of Science, Technology, Engineering and Maths? You don't have to anymore in this brand-new STEM elective. This elective aims to prepare students for a future which is constantly changing by providing them an opportunity to solve local, global and intergalactic problems. Students will collaborate and be immersed in the Design-Thinking-Process which encourages them to build, test, fail quickly, learn from this and then do it all again! The first project will allow students to explore their local ecosystem and the second project involves programming a robot to complete tasks that are too dangerous for humans.

Visual Communication and Design

In Year 9 students explore the exciting world of design and the processes and practices required to create visual communication projects. Students will tackle real-world design briefs, such as product design, websites and apps, logos and posters. This elective is designed to ignite students' creativity and equip them with the skills and knowledge to expand their creative thinking and to express their ideas visually. Students will apply design thinking techniques to develop innovative and visually impactful solutions. Students will also explore the work of influential designers and design trends to gain a deeper appreciation for the role of design in society. They investigate the use of visual language through the use of design elements and principles and how these communicate ideas to different audiences." The Visual Communication and Design elective aims to engage students and help build skills that will transfer in other learning areas and beyond school.

Pre-Requisite: Students must have a working laptop to be able to use Adobe Illustrator (software provided by the school).

Media Art

Students who undertake this elective will have the opportunity to develop their photography and film making skills. They will be exposed to live film making through the five stages of production – development, pre-production, production, post-production and distribution. Students will develop their creativity and experience using digital photography and film making equipment while learning the elements of script development, movie promotion, sound design, filming techniques, post production editing and special effects. Students will do independent and collaborative work over the semester to achieve their media artworks. This elective is ideal for students who aspire to make challenging, original and high-quality short films and develop their photography skills.

Coding

During this course you will be learning the art of coding. Loops, logic and functions will become your best friends. This is NOT game coding but a stepping stone to future endeavours.

Pre-Requisite: Students must have a working laptop, that is to be brought to all Coding class.

Food Around the World

In this elective, students can explore the different types of cuisine around the world. They are introduced to the style of cooking, characterised by distinctive ingredients, techniques, and dishes, usually associated with a specific culture or geographic region. They will make a variety of recipes, from simple one-pot wonder dishes to more tedious, decorative folds. Students will demonstrate their design skills by completing a design challenge, that is to make a dish that represents their cultural background.

Woodwork

This course will develop student's practical skills and knowledge in woodwork. Emphasis is on the consolidation of hand skills and knowledge, complemented with design briefs. Students will undertake a series of exercises, which will require the student to design and then produce projects utilising wood as the medium of construction. The complexity of the design process and practical procedures gradually increases, allowing the students to experience success in the workshop.

Student Leadership

The Year 9 Student Leadership elective is designed for students who are passionate about making a difference in their school and community. This subject will equip students with essential leadership skills such as teamwork, organisation, public speaking, and project management. Through a series of hands-on projects, students will explore what it means to be a responsible and effective leader. They will also hear from a range of external speakers and educators to develop their skills.

In this subject, students will work collaboratively on a range of projects, including planning and running an event or activity for the school community. This experience will allow them to apply organisational and interpersonal skills in a real-world context, building confidence as they learn about what it takes to make a difference. They will also have opportunities to mentor junior student leaders, guiding and supporting them in projects around the school and leadership development.

YEAR 9 SUBJECT SELECTION ONLINE FORM 2025

In 2025, students will participate in two elective subjects per semester. In consultation with your parent/guardian, you are required to number the subjects listed on the Google Form in order of your preference. You must select **at least 8 subjects** that you would like to study next year. It is vital that you understand that these are preferences and not selections. Preferences are what you would most prefer to study, therefore, any subjects you have in your top 8 are considered as wanted areas of study. In most years, students will receive at least 1 subject outside of their top 4.

The subject selections must be made through this [GOOGLE FORM LINK](#), no later than **Friday 22nd November 2024**.

Acceptance into each subject selected will be made according to subject availability and preference order.

*** Please be aware that preferences of subjects that require a teacher recommendation will be forwarded to the relevant teacher to review suitability.**