



MELVILLE
SENIOR HIGH SCHOOL

Year 9
2024 SUBJECT HANDBOOK



Melville Senior High School
acknowledges the Noongar people
as the Traditional Owners of the land
on which the school stands today
and pays its respects to the Whadjuk
people, and Elders past, present
and emerging

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Resilient Innovative Successful

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WELCOME

This booklet outlines the Curriculum courses available to students entering Year 9. The program that you select aims to give you a wide range of opportunities in the future with subjects that fit your needs and/or interests and in which you will ultimately specialise.

The middle school curriculum at Melville Senior High School follows the Australian Curriculum and Western Australia's Curriculum Framework. Please be aware that although course costs are listed, these charges may vary due to unforeseen changes in curriculum delivery.

All students in Year 9 study a set number of hours in each Learning Area. Each student will experience compulsory and elective courses across the learning areas, while some students will also study specialist courses.

Compulsory Courses

- English
- Maths
- Science
- Humanities and Social Sciences
- Health and Physical Education

Elective Courses

- The Arts: Made up of Visual and Performing Arts, including Dance, Drama, Music Appreciation, Visual Arts, Media Arts and Design, Music in Focus and Graphic Design Media
- Technologies: Made up of Aviation (Specialist), Design and Technology, Food Science Technology and Digital Technology. Subjects include Materials Design, Materials Engineering, Food for Health, Fashion and Textile Design, Engineering with CAD and Creative Digital Design
- Languages: Made up of Italian or Chinese

Studied for 1-2 hours per week per choice- students typically choose 3 per semester.

Specialist Courses

The areas in which a student can specialise after being accepted are:

- Gifted and Talented Program (GATE) – Centrally selected
- Academic Extension Course – AEC (Humanities and/or Maths and Sciences)
- Netball (Health & Physical Education)
- Aviation (Technologies)
- Graphic Design Media (GDM)
- Music in Focus program

These programs are described in more detail elsewhere in this handbook.

Their specialisation is recognised by a student studying the subject throughout the year. Selection into specialist programs is based on testing and/or interviews conducted during the first half of a calendar year. Placement in a specialist program is for a four-year duration i.e. Years 7 to 10, subject to suitable performance levels.

GIFTED AND TALENTED

Selective Academic Program

Melville Senior High School is one of the fourteen public secondary metropolitan schools with a Gifted and Talented Selective Entrance Academic Program. A key feature of the Gifted and Talented program at Melville Senior High School is the extension, enrichment and extracurricular activities offered.

Students will receive academic rigour through extended learning and enrichment opportunities in Maths, English, Science and the Humanities learning areas. The Gifted and Talented Program does not skip foundational curriculum content. Instead, it attains this content at a student-guided pace while matching the complexity and depth with the readiness and motivation of the class. In the classroom, Gifted and Talented students receive more appropriate work to match their skills and abilities; this includes extended investigations, cross-curricular concepts, critical thinking and using the information to create and explore relationships.

In addition, the Gifted and Talented Program uses enrichment activities and opportunities in conjunction with Maths, English, Science and Humanities subject content to provide new experiences for students. This is evident in exclusive participation in excursions, outreach workshops/programs with universities, team-building camps, and state and national competitions. Our experienced Gifted and Talented teachers, coordinator, and other school staff help support students in their social and emotional development as young adolescents and provide them with the best opportunities in their academic journey.

Selection into the program is based on the results of the Academic Selective Entrance Test (ASET). Testing for the program is available in Years 9, 10 and 11. For more [information on the program and testing dates, please click here](#) or contact the Gifted and Talented Coordinator.

ACADEMIC EXTENSION COURSE

The Academic Extension Course (AEC) provides a differentiated curriculum where students' needs are catered for by acknowledging various learning styles and rates of learning. Students are involved in developing higher-order strategies, problem-solving skills, and creative and divergent thinking. They are encouraged to take more responsibility for their education. Extras include competitions, workshops, excursions, and rich tasks based on a thematic approach.

How Is The Course Structured?

The Academic Extension Course is designed so that students are given every opportunity to optimise their areas of talent. Some students demonstrate exceptional ability in all four subjects and will be placed in all four MESH area, whilst other students may be talented in one area i.e. Humanities and will be in this component of the course for AEC only.

How Are Students Identified?

The identification program aims to include rather than exclude. Students are selected through a school-run process. Once at Melville SHS, Years 7 to 10 students are mainly nominated by their teachers to enter the program. As outlined in the Department of Education's Policy for Identification of Gifted Students, they are identified by past school grades and NAPLAN test results.

Ongoing inclusion in AEC requires high academic achievement and for students to have a strong level of commitment in terms of participation, attitude and achievement.

AVIATION

Approved Specialist Program

AVIATION

YEAR COST: \$158.00

Basically Drones UAVs

An introduction to Unmanned Aerial Vehicles, rules and regulations governing their use and the safety aspects of flying drones. Students will learn the basics of drone operation and practise all associated flight manoeuvres, leading to the creation of a high-quality video presentation. They will keep an RPA Pilot's Logbook to log their hours which will lead into the Year 10 Drone Licence Course.

Power To Fly

This topic studies the components, method of operation and associated systems of piston and reaction engines used to power aircraft. Educational objectives covered;

- Piston engines
- Propellers
- Reaction engines
- Unconventional engines

Aeroplane At War

This topic describes how the aeroplane has been employed as a weapon of war from its invention to the present day. Educational objectives covered:

- Fighters
- Bombers
- Transports
- Wartime patrol aircraft
- Helicopters

Human Factors In Aviation

This topic examines the human element of aviation and how it integrates with the aircraft itself. It addresses many human factors that have led to aircraft accidents and incidents. Educational objectives covered:

- Common causes of aviation accidents
- Accident analysis
- Crew management

For more information on applying see our website [HERE](#) or contact the Teacher in Charge.



GRAPHIC DESIGN MEDIA

Approved Specialist Program

Graphic Design Media students will cover a wide variety of contexts from different areas of Design, Media and Visual Art during this year.

GRAPHIC DESIGN MEDIA

YEAR COST: \$130.00

Plus booklist items

Core Curriculum (4hrs per week in class)

The program delivers learning from the Visual Arts and Media Arts Curricula with cross-curricular enrichment from Science, Mathematics, Technologies and English. The program runs sequentially from Year 7 to Year 10, and typically provides term-based projects that develop different aspects of a student's skills and knowledge and develops their application of the design process. Projects may include animation, film production, 3D design, fashion and textile design, game design, print media production, and more.

Co-Curriculum

At the heart of the program are the professional masterclass workshops. These enable our students to work with industry and university professionals in Design, Media and Technology and showcase the career pathways available to students interested in these creative industries.

After Hours

In the same way that other specialist programs have out-of-school hours components to their courses, Graphic Design Media students are expected to spend time out of class practising skills and/or extending classwork. It is suggested that 1 hour for every hour of class time be set aside as a nominal weekly benchmark. This will include activities such as:

- Sketching and drawing from life
- Scrapbooking and collecting
- Completing software tutorials (usually online)
- Creating photo journals
- Collecting reference materials and imagery for projects at school

Entry Requirements/Pre-requisites

As a certified Specialist Program, Graphic Design Media recruits students state-wide. They are selected based on academic testing, creativity and portfolio interviews. Students may exhibit a wide range of projects in their portfolios. However, the emphasis is on students who can work independently and have demonstrated sustained commitment and technical quality.

* Please note that only a few students are selected to begin Graphic Design Media in Year 9, as the usual entry point is Year 7. Special circumstances and transferees from other schools will be considered assuming places are still available and wait lists are exhausted.

Support

The Graphic Design Media program at Melville SHS is underpinned by a dynamic parent support group that contributes to the program's richness through direct assistance and fundraising activities.

For more information on applying see our website [HERE](#) or contact the Teacher in Charge.

MUSIC IN FOCUS PROGRAM

School Based Program

MUSIC IN FOCUS

YEAR COST: \$120.00

plus instrument hire (if applicable) and booklist items

Core Curriculum (four hours per week in class)

The class curriculum covers topics from a range of styles and genres, aural skills, theory and composition, responding to and critiquing performances, and in-class band performance and rehearsal.

Co-curriculum

Instrumental Music School Services provide lessons free of charge at Melville Senior High School to students selected for the Music in Focus Program who are continuing lessons from Year 8. Lessons are available on Voice, Classical Guitar, Electric Guitar, Bass Guitar, Percussion, Brass, Saxophone, Clarinet and Flute.

Please note that only a few students are selected to begin IMSS instrumental lessons in Year 9 as usual entry points are Years 5 and 6. Students wishing to do so must meet with the Teacher in Charge of Music and get approval from IMSS. Special circumstances and transferees from similar high/primary school programs may be allowed to audition, assuming that places are still available and waitlists are exhausted.

As a part of their classroom studies, students will continue their lessons with IMSSs teachers. This provides opportunities for the extension and practical application of classroom learning. It also is a condition of enrolment in the Music in Focus program that all students join the the Senior Concert Band, Intermediate Concert Band, Contemporary Band or Classical Guitar Ensemble, which rehearse once a week before or after school to fulfil the ensemble requirement of the course.

Extra-Curriculum

Music in Focus students are also given many exciting opportunities to enrich and extend learning through participation in camps, tours, workshops and various public performance opportunities.

After Hours

Music in Focus students are expected to spend time out of class practising skills and/or extending classwork. In addition to regular instrumental practice, students should set aside one hour for every class time as a nominal weekly benchmark. This will include activities such as Instrumental practice, ensemble repertoire and set works study/other homework.

The following ensembles and bands have after-hours rehearsal commitments:

- Classical Guitar Ensemble (Years 7 to12)
- Swing Band (invitation only)
- Intermediate Concert Band (Years 7 to10)
- Senior Concert Band (Years 10 to12)
- Melville VOX Vocal Ensemble (voice students)

Entry Requirements/Pre-requisites

Successful completion of the Year 8 Music in Focus Program or completion of the application process, including an audition and interview with the Music Teacher-in-Charge for selected applicants.

Support

The Program is underpinned by a dynamic parent support group that contribute to the richness of the program through direct assistance, participation in extra-curricular activities and fundraising activities.

NETBALL

Approved Specialist Program

NETBALL APPROVED SPECIALIST PROGRAM

YEAR COST: \$180.00

What are the qualities and elements of the program that make it unique?

Melville SHS provides students with four lessons per week all year round. Most of the sessions are on the court learning new skills and strategies and improving individual and team skills. There are opportunities to cooperate in a team environment through communication activities both on the court and in the classroom. The students are provided with opportunities to develop a deeper understanding of the game, explore the link between nutrition and performance and develop their umpiring and coaching abilities as part of the theory side of the program.

Levels are according to the outcomes in Physical Education: skills for physical activity, self-management skills, interpersonal skills and knowledge and understanding.

How does the program provide rigour and challenge, the pursuit of excellence, individual learning and problem-solving ability to meet the needs and interests of my child?

The program is developed with input from Netball WA. It is designed to add to the experience and skills that have been developed in the individual through their club participation and training. Students will follow individual programs and will be able to chart their improvement and progress as they go through the course.

Students will become flexible in their positions and be provided opportunities to develop those they may specialise in. Students will learn to manage, coach and umpire throughout the program and will be expected to put their experience and knowledge into practice when participating with their club. The course will have a practical experience component where the students will be expected to demonstrate their management, coaching and umpiring abilities as part of their assessment.

What are the anticipated student outcomes and achievement at various levels, eg local, state and national levels of recognition?

Outcomes anticipated are as follows:

Year 7	Rules of the game Foundation Netball Skills
Year 8	Introduction to Umpiring Nutrition for Performance
Year 9	Netball Australia Foundation Umpiring Umpiring primary school tournaments
Year 10	Netball Australia Foundation Coaching course Ability to coach, manage and umpire games (Years 10-12)
Year 11 & 12	Ability to organise all aspects of a netball carnival (Year 11/12) Sport Coaching Certificate – netball specific course (Year 11/12) Edith Cowan University Short Course – Introduction to sport science.

For more information on applying, see our website [HERE](#) or contact the Teacher in Charge.

ARTS

The Arts provide opportunities for students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences as they discover and interpret the world. They entertain, inform, challenge, encourage responses, and enrich our knowledge of self, communities, world cultures and histories.

The Arts contribute to developing confident and creative individuals, nurturing and challenging active and informed citizens. Learning in the Arts is based on cognitive, affective and sensory/kinaesthetic responses to arts practices as students revisit increasingly complex content, skills and processes with developing confidence and sophistication through the years of schooling.

At Melville, staff aim to provide students with authentic learning experiences that engage their minds, hearts, and bodies with real and meaningful activities. While learning in other disciplines may often focus on developing a single skill or talent, the Arts regularly engage multiple skills and abilities. Engagement in the Arts – whether in Visual Arts or Performing Arts – nurtures the development of cognitive, social, and personal competencies.

Arts Curriculum is divided into two distinct but related areas:

- Performing Arts (PA) – in which students learn in the Dance, Drama or Music contexts
- Visual Arts (VA) – in which students learn in Media, Visual Arts or Design contexts

The table below reflects the multitude of Arts courses offered in the Visual and Performing Arts. It represents the progression through various Arts courses into Senior School. Whilst an advantage, Senior School courses do not require previous experience in Middle School. However, a 'C' grade or higher in English is recommended for all classes.

In Year 9, students can undertake Performing Arts and Visual Arts studies over the academic year. Selections should be based on personal interest and, significantly, aspiration for senior school courses.

Pathways

	Performing Arts				Select entry Year-long	Visual Arts				Select entry Year-long
Year 9 Semester Courses	Drama	Dance	Perf. Arts Prod.	Music App.	Music in Focus	Visual Art E	Visual Art I	Media Arts	Design	Graphic Design Media
Year 10 Year-long Courses	Drama	Dance		Cert II Music	Music in Focus	Visual Art E	Visual Art I	Media Arts	Design	Graphic Design Media
Years 11/12 Courses of Study	Cert II Live Production Cert II Dance			Music - ATAR Cert III Music	Design ATAR Media Production & Analysis ATAR Visual Art ATAR Design (Graphics) General Media Production & Analysis General Visual Art General Cert. III in Screen & Media					

Performing Arts

DRAMA

SEMESTER COST \$15.00

Pre-Requisites: Nil

This course allows students to develop their understanding of basic skills, techniques and processes in various aspects of Drama. Students will develop their knowledge of narrative, voice, movement, performance and stage design elements through practical exercises in a creative and safe environment. Course foci may include dramatic contexts of Melodrama and Commedia Dell' Arte. Students participate in practical workshops where they explore scripts and device performance. These lead to performances in class, at showcases, performing arts festivals, or other parts of the school's performance program.

DANCE

SEMESTER COST \$15.00

Pre-Requisites: Nil

This course allows students to develop their understanding of basic dance skills, techniques and processes through movement, improvisation and choreography. Course foci may include contemporary or hip-hop dance styles. Students participate in practical workshops where they learn about various styles, movements and genres in a creative and safe environment. These lead to performances in class, at showcases, performing arts festivals, or other parts of the school's performance program.

MUSIC APPRECIATION

SEMESTER COST \$15.00

Pre-Requisites: Nil

This course hones student understanding of musical concepts and techniques and improves students' general musicianship. They will participate in activities that refine their understanding of musical elements, style and genre, musical instruments and performance. Students will also demonstrate practical skills and processes in performing, recording and producing music. They do this by composing and creating music using various available technologies and traditional musical instruments.



Visual Arts

VISUAL ART (EXPLORATIONS)

SEMESTER COST: \$50.00

Pre-Requisites: Nil

In this course, students explore ideas about a given theme and art style by selecting and applying elements, principles and artistic conventions to arrive at visual solutions. Their explorations are documented using various media, materials and technologies, including painting, drawing and printing. Critical analysis skills are developed by viewing and interpreting artworks and expressing considered personal responses, including considering how and why artists are influenced by other artists and the contexts of culture, time and place.

MEDIA ARTS

SEMESTER COST \$15.00

Pre-Requisites: Nil

This course consolidates student understanding of key media concepts and skills. Students view, analyse and respond to examples of different media works and learn the language and terminology of media.

In addition, students work independently and/or collaboratively to create their own complex media works that may include audio-visual media work, static or print media work, interactive media work, or animated media work. They also continue developing their skills using current media production technologies and industry-standard production software.

DESIGN

SEMESTER COST \$15.00

Pre-Requisites: Nil

This course develops students' understanding of the basic ideas, concepts and skills in the broad disciplines that are Graphics and Photography. Students view, deconstruct and respond to different examples of the two disciplines and, in doing so, learn essential language and terminology.

They also learn to communicate to an intended audience by creating work that may include CD and record covers, magazines, cartoons, illustrations, desktop publishing and posters. Students do this using a variety of printmaking and photographic techniques to develop their skills in design, illustration, photography, and industry-standard software.

VISUAL ART (INSPIRATIONS)

SEMESTER COST \$50.00

Pre-Requisites: Nil

In this course, students explore ideas and inspirations using a variety of Visual Art materials, techniques and technologies, media and methods. Critical analysis skills are developed by viewing artworks interpreting and expressing considered personal responses, which include exploring how and why artists are influenced by other artists and the contexts of culture, time and place.

ENGLISH

ENGLISH
ENGLISH - GIFTED AND TALENTED

YEAR COST: \$25.00
YEAR COST: \$60.00

Students will be completing the Year 9 Western Australian Curriculum course for English. The English curriculum is built around three interrelated strands that support students' growing understanding and use of English. These strands are:

- Language
- Literacy
- Literature

The three strands are not designed to be curriculum modules or sub-programs but rather should be seen as interwoven. They represent aspects of learning that can be addressed in any activity or sequence of work. As part of their coursework, students will study various text types. They will also be expected to demonstrate mastery of a range of writing genres as per the WA Curriculum.

A significant feature of the Year 9 course will be the NAPLAN testing conducted at the end of Term 1. These national tests in reading, writing, spelling and language conventions allow parents, students and teachers the opportunity to measure student progress against national benchmarks. Although they are only one aspect of monitoring student progress, they are an important item on your child's school calendar. As a result, students will be taught to study and prepare for NAPLAN tests and encouraged to develop strategies for working in a limited time frame.

ENGLISH (ESL)

YEAR COST: \$25.00

EAL/D English is a flexible program of instruction for language and literacy development designed to assist students whose first language is not English. EAL/D classes are formed in Years 7 to 10 as required. Students new to the Australian context are encouraged to check their eligibility upon enrolment.

EAL/D is not a modified mainstream English course but rather focuses on improving oral and written language skills across a range of English texts and subject area content.

EAL/D teachers focus on improving students' Standard Australian English skills in preparation for NAPLAN testing. Grades achieved by students are based on each student's progress against the EAL/D progress maps in the four language modes: speaking, listening, reading/viewing and writing. All lower school EAL/D programs are designed to effectively prepare students for achieving their WACE through participation in English as an Additional Language (EAL/D).

Pathways

Years 9/10	English Mainstream	Academic Extension Course	Gifted & Talented	English as a Second Language
Years 11/12	English General English ATAR Literature ATAR	English ATAR Literature ATAR	English ATAR Literature ATAR	EAL/D English ATAR English General

HEALTH AND PHYSICAL EDUCATION

Health and Physical Education Learning Area outcomes are linked to the progressive development of a healthy, active lifestyle for students. Students progress throughout their schooling to achieve higher levels of skills and knowledge about influences that enable the attainment of healthy, active lifestyles. Students also utilise time in the Health and Physical Education Learning Area to develop self-management skills based on informed decision-making. Central to the ongoing education of each student is the development of interpersonal skills for establishing and maintaining effective relationships in life.

Outcomes linked with the Health and Physical Education Learning Area are predominantly addressed through learning in such areas as Health Education, Physical Education, Outdoor Education, Recreation, Sport and Dance.

Pathways

Year	Compulsory	Physical Education Selection				Specialist Program
9	Health Education	Physical Education		Advanced Athletics, Swimming & Sport		Netball
10	Health Education	Physical Education	Recreation	Outdoor Education	Sports Science	Netball
11/12	Health Education ATAR and General	Physical Education ATAR and General		Certificate II Sports Coaching		Certificate II Sport Coaching (Specialised Netball Pathway)

HEALTH EDUCATION

YEAR COST: \$16.00

This course focuses on knowledge, communication, decision making and assertiveness. Pressures to be sexually active and strategies to counter these influences are considered. Ambitions and goals are clarified. Issues related to alcohol, tobacco, and drugs (both legal and illegal) are comprehensively discussed. Lifestyle choices connected with conception, pregnancy and birth and contraception are reviewed. Individual diet and exercise programs are monitored, and personal fitness levels are measured.

PHYSICAL EDUCATION

YEAR COST: \$21.00

Linked with the Health Education component will be physical activity electives that will allow students to develop outcomes in swimming, lifesaving, hockey, touch, football, athletics, netball, badminton and cricket. These sports will engage students in skill development and involve them in cooperative and strategic games. Team groupings should allow students to demonstrate the full potential of their skills and to practise and acquire higher levels of movement skills and strategies. Integrated within the activity sessions will be opportunities to develop interpersonal and self-management skills and to encourage the establishment of positive attitudes and values toward living a healthy lifestyle.

ADVANCED ATHLETICS, SWIMMING & SPORT

YEAR COST: \$50.00

(Note: students who select this subject will also participate in a selection of sports from the mainstream Year 9 PE program to add variety to the experiences provided to them).

This continues the Year 7 and 8 Advanced Athletics, Swimming and Sport subject. Students may elect to participate in this subject instead of the mainstream Year 9 Physical Education subject. This subject is aimed at students who primarily have a strong interest in athletics and swimming and who are, or want to become members of our coveted A division Athletics team and Inter-school Swimming Team. Students who select this subject need to have a genuine interest in athletics and swimming and be interested in improving their ability and performance in this subject. A range of fun activities and skill development activities have been designed to maximise individual performance in Inter-school events and include:

Event-specific training and skill development in Athletics & Swimming

- Mini-triathlon & mini Biathlon
- Run, swim, board paddle activities (using the school pool)
- Cycling & group fitness (such as circuits) and fitness classes (such as yoga)
- Personal fitness programming and conditioning
- Aquatic aerobics, fun pool-based activities & selected sports from the Year 8 PE program.

(Note: If insufficient students select this subject, students will participate in the normal Year 9 mainstream PE program).



HUMANITIES & SOCIAL SCIENCES

HUMANITIES AND SOCIAL SCIENCES

YEAR COST: \$25.00

In Year 9, Humanities and Social Sciences (HASS) students undertake several Western Australian curriculum subjects. Humanities and Social Sciences will teach your child the transferrable skills necessary to navigate changing circumstances in contemporary society.

In Geography, students will investigate the concept of “Biomes and Food Security” and discuss why some countries experience food shortages while others produce a food surplus. They will examine the effects of anticipated future population growth on global food production and security whilst evaluating the capacity of Australia and the world to achieve food security. The “Geographies of Interconnection” discusses how transportation, information and communication technologies connect people to services, information, and people in other places.

In History, students explore the technological innovations that led to the Industrial Revolution and other conditions that influenced Britain’s industrialisation. This section includes an investigation into the experiences of men, women, and children during the Industrial Revolution and the short and long-term impacts. Students then learn about “the war to end all wars” and Australia’s involvement in World War I. Learn about the ANZAC legend and how Gallipoli and other battles shaped Australia’s identity. Students will also discover the history behind the ANZAC Day commemoration that Australians still observe.

Students examine “Australia and the global economy” in Economics and Business. Students investigate the role of the key participants in the Australian economy, such as consumers, producers, workers and the government. Students explore why and how global economy participants depend on each other. We also examine the impact of international events, such as the COVID-19 pandemic, on the Australian and other economies.

In Civics and Citizenship, students study “Our Democratic Rights” and examine the role of political parties in Australia’s system of government, including the formation of the government. Students study these parties and discover how advertising and political parties influence citizens’ ideas and choices at election time. Students reflect on how courts apply and interpret the law, resolve disputes, and make laws through the role of precedents.

Humanities is a fun and interactive subject that combines all learning areas and helps students develop a lifelong love of exploring their world. In Year 9, students will have the opportunity to be involved in some exciting excursions to apply the knowledge they have gained in the classroom to the real world.

Pathways

Years 9 to 10	Semester 1 & 2 HASS - four hours per week							
Years 11/12	Accounting & Finance ATAR	Economics ATAR	Geography ATAR	Modern History ATAR	Psychology ATAR	Career & Enterprise General	Certificate II in Work Skills General	Psychology General

Languages

Multiple languages for our multicultural society

Students are encouraged to continue their language studies in Year 9 and beyond, as this will equip them with lifelong learning skills such as improved memory, problem-solving and critical-thinking skills, enhanced concentration, multitasking ability, and better listening skills.

Learning a language is the best way to learn about cultures and societies other than our own and to help us see the world from another perspective. It also makes us go back to language basics, helping us to strengthen our understanding and literacy skills in our first language and making us more adaptable to our social and working environments.

Languages also make us think about how we learn and memorise facts and information, which we can apply to any other learning area. Learning a language also provides excellent opportunities for those intending to pursue a career in the defence forces, hospitality, tourism, fashion, education and government agencies, among other sectors.

Pathways

	Italian Language	Chinese Language
Years 9 to 10	Italian	Chinese
Years 11/12	Italian Second Language ATAR Italian Second Language General	Chinese Second Language ATAR Chinese Background Language ATAR Chinese First Language ATAR

ITALIAN

YEAR COST: \$20.00

Travelling, communicating and enjoying the best of Italian culture.

The program focus for Semester 1 is 'Buon Viaggio'. This program will develop students' language skills to a level where they can communicate while travelling through Italy. Students will recognise Italian monuments and cities and look at modes of transport through Italy. Students will participate in role-plays and classroom games to strengthen conversation skills in Italian.

The program focus for Semester 2 is 'In Città con gli amici'. This program will examine the leisure activities of teenagers in Italy and compare them to our leisure activities here in Australia. Students will be using vocabulary related to places they would like to go to in the city (including different types of shops) and be able to give directions, read, draw and label maps. Cultural aspects such as understanding road rules and signs in Italy are also studied. Students will be able to understand an Italian restaurant menu, ask for drinks and snacks and express their likes and dislikes of foods. They will also gain an understanding of the Italian currency, the Euro and Italian migration.

Students will have the opportunity to attend a variety of incursions and excursions, sample delicious food and be immersed in Italian culture.

CHINESE

YEAR COST: \$20.00

Daily Routine, Sports & Leisure

This topic introduces students to the Chinese language and culture from a personal perspective, enabling them to share information related to personal identity, aspects of everyday life, and popular culture. They begin to understand of what it is to be Chinese-speaking and compare their own lives to those of others in Chinese-speaking communities.

Shopping and Eating Out in China

This topic is aimed at students who have basic knowledge of Chinese. They share information about and develop a sense of their own space and place. While developing the skills to travel within Chinese-speaking nations, students learn more about communities, their cultures, and their sense of space and place.



MATHEMATICS

MATHEMATICS
MATHEMATICS - GIFTED AND TALENTED

YEAR COST: \$24.00
YEAR COST: \$34.00

At this year level:

- Understanding includes describing the relationship between graphs and equations, simplifying a range of algebraic expressions and explaining the use of relative frequencies to estimate probabilities and trigonometric ratios for right-angle triangles.
- Fluency includes applying the index laws to expressions with integer indices, expressing numbers in scientific notation, listing outcomes for experiments, developing familiarity with calculations involving the Cartesian plane and calculating areas of shapes and surface areas of prisms.
- Problem-solving includes formulating and modelling practical situations involving surface areas and volumes of right prisms, applying ratio and scale factors to similar figures, solving problems involving right-angle trigonometry and collecting data from secondary sources to investigate an issue.
- Reasoning includes following mathematical arguments, evaluating media reports and using statistical knowledge to clarify situations, developing strategies in investigating similarity and sketching linear graphs.

Semester 1 And Semester 2

(Movements may occur at the end of Semester 1 based on student results).

- Pathway 1 – For more able students. Studies are completed with greater depth and breadth for understanding. Enrichment activities are provided to motivate and develop high-level thinking skills.
- Pathway 2 – Mainstream course where students are given opportunities to achieve success and develop their mathematical skills.
- Pathway 3 – Students requiring extra assistance in a smaller group setting with more practical learning activities.

Assessment

Students in Semester 2 receive a Learning Area grade (A, B, C, D or E) and also an assigned Pathway grade (A, B, C, D or E). Learning Area grades are based on comparisons with the entire Year 9 cohort, whereas Pathway grades are determined by student progress within their path of study. They are also expected to complete NAPLAN testing in Term 1.

Please note that as students complete work to a different level and at different rates, but all based on the Year 9 curriculum, grades are allocated as follows:

- Pathway 1 – students able to receive Learning Area grade (A – E) and a Pathway grade (A – E)
- Pathway 2 – students able to receive Learning Area grade (B – E) and a Pathway grade (A – E)
- Pathway 3 – students able to receive Learning Area grade (C – E) and a Pathway grade (A – E)

Examples – (i) A student in Pathway 2 may receive a Learning Area Grade 'C' and a Pathway Grade 'B'. (ii) A student in Pathway 1 may receive a Learning Area Grade of 'A' but a Pathway grade of 'C' if they are completing the Pathway 1 course at a satisfactory level compared with other students in this pathway.

Continued

Pathways

Year 9/10	Semesters 1 and 2 four hours of work per week
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Year 11/12	Mathematics Applications	Mathematics Methods	Mathematics Specialist	Mathematics Essential General
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High-achieving students may be given the opportunity to study both Methods and Specialist.

Course	Pre-requisite
Mathematics Specialist	'A' grade in Year 10 Mathematics Pathway 1, teacher recommendation & enrolled in Mathematics Methods
Mathematics Methods	'A' grade in Year 10 Mathematics Pathway 1 and teacher recommendation
Mathematics Applications	'B' grade or higher in Year 10 Mathematics Pathway 2 or higher
Mathematics Essential - General	Interest in mathematics and the appropriate work ethic

See Mathematics Booklet on our Website [HERE](#) for more information.

SCIENCE

SCIENCE

YEAR COST: \$34.00

In Year 9 all students study Science for four hours per week. They cover all four major branches of Science, including Physics, Chemistry, Biology and Earth Sciences, as well as science laboratory and investigative skills. In Year 9, students will cover the following outcomes:

- 11 weeks Physics
- 9 weeks Chemistry
- 5 weeks Earth Science
- 15 weeks Biology

Science Inquiry is taught in context throughout the year. All Year 9 Science classes complete the same teaching programs and common assessments.

Students planning to attempt ATAR science courses in Years 11 and 12 must achieve a 'B' grade in the second semester Year 9 Science course. This will ensure they will be placed into the higher pathway science classes in Year 10 that are essential for the upper school courses.

Pathways

Years 9/10	Science
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Years 11/12	Physics ATAR	Chemistry ATAR	Biology ATAR	Human Biology ATAR	Human Biology General
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TECHNOLOGIES

Developing knowledge and skills to analyse and creatively respond to design and/or digital challenges is essential in an increasingly technological and complex world.

Society needs enterprising students who can make discerning decisions about developing and using technologies, develop solutions to complex challenges and contribute to sustainable living patterns. Technologies can be critical in transforming, restoring and sustaining societies and natural, managed and constructed environments.

The Technologies curriculum is STEM-focused and is divided into two distinct but related contexts:

- Design and Technologies – In which students learn in the contexts of Woodwork, Mixed Materials, Food & Nutrition, and Textiles
- Digital Technologies – In which students learn in the contexts of Digital Engineering and Digital Technologies

The table below represents the progression through various Technologies courses into Senior School. Whilst an advantage, Senior School courses do not require previous experience in Middle School. However, a ‘C’ grade or higher in Year 10 English is recommended for all classes.

In Year 9, students can study Design & Technologies and Digital Technologies each semester. Selections should be based on personal interest and, importantly, aspiration for Senior School courses.

Pathways

	Design and Technologies			Digital Technologies		Specialist Program
Year 9 Semester Courses	Materials Design Materials Engineering	Food for Health	Fashion and Textile Design	Engineering with CAD Fundamentals	Creative Digital Design	Aviation
Year 10 Year-long Courses	Materials Design Materials Engineering	Food Technology	Clothing and Textile Design Childcare Essentials	Engineering with CAD Applications	Advanced Digital Design	Aviation
Years 11/12	Materials Design & Tech - Wood General Materials Design & Tech - Metal General Building & Construction General Certificate II in Engineering	Food Science & Technology General	Children, Family & the Community General	Certificate II Engineering	Applied Information Technology ATAR Applied Information Technology General	Aviation General

Design & Technologies

MATERIALS DESIGN

SEMESTER COST \$60.00

Pre-requisites: Nil

In Materials Design, students will develop their understanding of a range of materials, including timbers, plastics and metals. Students will make various small projects using hand and power tools and some machines and engage with computer-aided design and machining. They will begin to apply the technology process by researching solutions to design problems.

MATERIALS ENGINEERING

SEMESTER COST \$60.00

Pre-requisites: Nil

In Materials Engineering, students develop their ability to work with materials, including timbers, plastics and metals. They will research material properties and investigate and then test how they interact through a range of planned activities. Students will make various projects and devices using hand and power tools and use computer-aided machining as a manufacturing method.

FOOD FOR HEALTH

SEMESTER COST \$60.00

Pre-requisites: Nil

The focus of this course is the exploration of food science, technology and nutrition. Students will produce more complex recipes and participate in food design challenges that allow them to demonstrate their food preparation skills in the kitchen effectively. Students will have the knowledge and skills to make healthy and sustainable food choices. The course also explores the properties of food, product development, food marketing and technology applications in food.



FASHION AND TEXTILE DESIGN

SEMESTER COST \$60.00

Pre-requisites: Nil

Students learn about current fashion trends and sustainability and use various design techniques to create textile items that both look and feel good in this course. They will learn how to use a sewing machine as they apply their creative skills, individually and collaboratively, to create different textile items.

Please note that if students wish to vary or extend their projects, they may need to provide/pay for the extra materials.

Digital Technologies (DT)

ENGINEERING WITH CAD FUNDAMENTALS

SEMESTER COST \$20.00

Pre-requisites: Nil

In this course, students explore the world of digital engineering through computer-assisted research, data analysis, drawing and manufacturing to design and develop practical engineering solutions using industry software. Their understanding of the digital engineering process develops through structural and sustainable design, collaborative problem-solving and the creation of physical engineering solutions.

In addition, students can see some of their work produced using modern computer-controlled production processes, such as 3D printing and laser cutting.

This course provides sound preparation for students who aspire to study related courses in Years 11 and 12 or to develop skills for Engineering and Design careers.

CREATIVE DIGITAL DESIGN

SEMESTER COST \$20.00

Pre-requisites: Nil

In this course, students develop their understanding of computer networks in an interconnected world. They also learn how data is collected and used through simple day-to-day computer and device use. In addition, they study the theories behind designing digital solutions for users in app and game design.

Through practical application, students learn by designing complex, relevant user experiences through testing, modifying and implementing digital solutions. They also learn to use appropriate protocols when communicating and collaborating online.

This course provides sound preparation for students who aspire to study related courses in Years 11 and 12 or to develop skills for Computing or Multimedia careers.