

YEAR 9  
SUBJECT SELECTION  
HANDBOOK 2021



MELVILLE  
SENIOR HIGH SCHOOL



Governor's STEM School of the Year



BEST STEM PROGRAM  
AUSTRALIAN EDUCATION AWARDS - FINALIST 2020

CONFIDENT INNOVATIVE SUCCESSFUL

An Independent Public School

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Melville Senior High School acknowledges the Noogar 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.





# WELCOME

This booklet outlines the Curriculum courses available to students entering Year 9. The aim of the program that you select is 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 in 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, digital photography, ceramics and sculpture
- *Technologies*: Made up of Design and Technology, Food Science Technology and Digital Technology, for example woodwork, metal work, cooking and creative computing.
- *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 in after being accepted are

- Gifted and Talented program (G&T) - Centrally selected
- Academic Extension Course - AEC (Humanities and/or Sciences)
- Netball (Health & Physical Education)
- Aviation
- Graphic Design Media
- 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 4 year duration i.e. Years 7, 8, 9 & 10, subject to suitable levels of performance.

# GIFTED AND TALENTED

## SELECTIVE ACADEMIC PROGRAM

Your child will discover a world of opportunities in Gifted and Talented programs. A key feature of these programs is the extension, cross curricular, co-curricular and extracurricular activities where children can be involved in international, national and state competitions, leadership programs, community service, university extension programs and study tours.

At Melville Senior High School we provide students with a comprehensive program that will engage and challenge. Students gain entry into Humanities, English, Maths and Sciences through a state wide testing program. Students will receive academic rigour through extended learning and enrichment opportunities in Maths, Science and the Humanities learning areas. The teachers working with students in this program have completed additional professional learning that will assist them to develop each child's potential. All Gifted and Talented teachers complete specialist Gifted Education Research, Resource and Information Centre (GERRIC) training. Our experienced team of staff will help to support students and give them the best opportunities in their academic learning programs as well as supporting their social, emotional development as young adolescents.

The program aims to encourage students to excel in their area of talent and to stimulate students' inquiry, analytical, critical, creative thinking skills. Classroom teachers aim to provide a motivating environment, to give students the skills and the time to explore an issue, text or problem in more depth and communicate their conclusions more effectively. Students are encouraged to gradually take responsibility for their own learning.

Students apply and are selected for Gifted and Talented programs through a central selection process. 'Top-up' testing for this program is available in Years 8, 9 and 10.



# ACADEMIC EXTENSION COURSE

The Melville SHS AEC program provides students with 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 thinking strategies, problem solving skills, creative and divergent thinking and are encouraged to take more responsibility for their own learning. Competitions, workshops, excursions and rich tasks based on a thematic approach are also undertaken throughout the year.

## How Is The Course Structured?

The Academic Extension Course is designed so that students are given every opportunity to optimise their areas of talent, therefore we have divided the program into two areas:

1. Humanities (English & Humanities & Social Sciences)
2. Sciences (Maths & Science)

Some students demonstrate exceptional ability in all four subjects and will be placed in the Humanities and Maths/Science areas, whilst other students may be talented in one area i.e. Humanities and will be in this component of the course.

## How Are Students Identified?

As outlined in the Department of Education's Policy for Identification of Students who are Gifted, a range of strategies are used to identify students, including:

- Completion of a maths & creativity test
- Past school grades, portfolios and NAPLAN test results
- Aptitude test
- Ongoing inclusion in AEC requires high academic achievement

The aim of the identification program is to include rather than exclude. Students are selected through a school run process. Once in the school, Year 7, 8, 9 and 10 students are mainly nominated by their teachers to enter the program.

## Student Commitment

It is expected that students have a strong level of commitment to the program in terms of participation, attitude and achievement.





AVIATION  
APPROVED SPECIALIST PROGRAM

## SEMESTER 1

### AVIATION 3 - 8AV91

Cost: \$79.00

#### **Built To Fly**

This topic involves building of balsa gliders and a scaled down wood propeller. It builds construction skills and the use of tools to create their models. Educational objectives covered:

- Interpret and understand diagrams
- Make a propeller
- Make a model glider
- Testing and adjustment scheme

#### **Power To Fly**

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

- Piston engines
- Propellers
- Reaction engines
- Unconventional engines

## SEMESTER 2

### AVIATION 4 - 8AV92

Cost: \$79.00

#### **Aeroplane At War**

This topic describes the various ways in which 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 of the human factors which have led to aircraft accidents and incidents.

Educational objectives covered:

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

Entry to the Aviation Course is only available to those students who have been selected by the testing and /or interview with aviation co-ordinator process.

#### **For more information contact**

Teacher in Charge: Mr Randal Brink  
Head of Learning Area: Mr Kim Rosenthal

[randall.brink@education.wa.edu.au](mailto:randall.brink@education.wa.edu.au)  
[kim.rosenthal@education.wa.edu.au](mailto:kim.rosenthal@education.wa.edu.au)

For enrolment forms and to apply for testing dates please contact school administration on 6274 1300.



# GRAPHIC DESIGN MEDIA

## APPROVED SPECIALIST PROGRAM

Graphic Design Media students will cover a wide variety of contexts from different areas of design and media production during this year.

Year 9 (1GDM9)

Year Cost: \$130.00 plus booklist items

### **Core Curriculum (4hrs per week in class)**

This program delivers learning from the Visual Arts and Media Curriculum with cross-curricular enrichment from Science, Mathematics, Technologies, Engineering and English. The program runs sequentially from year 7 to year 10, focusing on Project Based Learning. The main projects will typically be term-based assignments that develop different aspects of a student's skills and knowledge while strengthening their understanding of the design process. Projects may include animation, film production, 3D design, fashion and textile design, game design, print media production and much more.

### **Co-Curriculum**

At the heart of the program are the professional master-class workshops. These enable our students to work with both industry and university professionals in the areas of 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 it is expected that GDM students spend time out of class practicing skills and/or extending class work. It is suggested that 1 hour for every hour of class time be set aside as a nominal benchmark per week. This will include activities such as:

- Sketching and drawing from life
- Scrap booking 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, GDM recruits students state-wide. They are selected based on academic testing, creativity and portfolio interview. Students may exhibit a wide range of different types of projects in their portfolios, though the emphasis is on students who are able to work independently and who have demonstrated sustained commitment and technical quality in their work.

\* Please note that very few students are selected to BEGIN GDM once the academic year has commenced. Special circumstances and transferees from other schools will, however, be considered and, space permitting, accepted into the program or placed on a wait list.

### **Support**

The GDM program at Melville SHS is supported by a dynamic parent support group who contribute to the richness of the program through direct assistance and fundraising activities.

### **Need more info? Contact**

Teacher-in-Charge: Mr Sam Cavallaro ([sam.cavallaro@education.wa.edu.au](mailto:sam.cavallaro@education.wa.edu.au))

Head of Learning Area: Mr David Anderson ([david.anderson@education.wa.edu.au](mailto:david.anderson@education.wa.edu.au))

For enrolment forms and to apply for testing dates please contact the school on 6274 1300



# MUSIC IN FOCUS PROGRAM

## SCHOOL BASED PROGRAM

Year 9 (1MU9)

Year Cost: \$120.00  
plus ensemble & instrumental lesson costs

### Core Curriculum (4hrs per week in class)

Class curriculum covers topics such as: music from the 70's and 80's and today; theory composition; music in society; responding to and critiquing performances; and in-class band performance and rehearsal for all students.

### 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 Classical Guitar, Electric Guitar, Bass Guitar, Percussion, Brass, Saxophone, Clarinet and Flute.

Please note that very few students are selected to begin IMSS instrumental lessons in Year 9 as usual entry points are Years 6 and 7. 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 given opportunity to audition assuming that places are still available and wait lists are exhausted.

As a part of their classroom studies students will continue their lessons with IMSS's instrumental teachers. This part of the students' program provides opportunities for the extension and practical application of classroom learning.

It also is a condition of enrolment in the MiF program that all students join the Vocal Ensemble for 1 hour per week and are also required to join our Senior Concert Band, our Intermediate Concert Band or our Classical Guitar Ensemble which rehearse once a week before or after school to fulfil the ensemble requirement of the course.

### Extra-Curriculum

MiF students are also given many exciting opportunities to enrich and extend learning through participation in camps, tours, workshops and a variety of public performance opportunities.

### After Hours

It is expected that MiF students spend time out of class practicing skills and/or extending class work. In addition to regular instrumental practice it is suggested that students set aside one hour for every hour of class time as a nominal benchmark per week. This will include activities such as:

- Instrumental practice
- Ensemble repertoire
- 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)
- Junior Vocal Ensemble (Years 7)
- Melville VOX Vocal Ensemble (voice students)

### Entry Requirements/Pre-requisites

Successful completion of the Year 7 MiF Program or completion of the application process including an audition and interview with the Music Teacher-in-Charge for selected applicants.

### Support

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

### For More Information Contact

Acting Teacher-in-Charge: Ms Ana Milas [ana.milas@education.wa.edu.au](mailto:ana.milas@education.wa.edu.au)  
Head of Learning Area: Mr David Anderson [david.anderson@education.wa.edu.au](mailto:david.anderson@education.wa.edu.au)  
For enrolment forms and to apply for testing dates please contact the school on 6274 1300



**NETBALL**  
APPROVED SPECIALIST PROGRAM

Netball 3NE9

Semester Cost: \$90.00

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

Melville SHS provides students with four lessons per week all year round. The majority of the sessions are on the court learning new skills, strategies and improving both individual and team skills. There are opportunities to cooperate in a team environment through the use of 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, 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 and 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 the positions in which they can play, and will also be provided with opportunities for development in positions in which they may specialise. 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. There will be a practical experience component to the course 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	Develop a Diamond Program Rules of the game
Year 8	Introduction to Umpiring Role modelling at primary schools
Year 9	Netball Australia Foundation Umpiring Umpiring primary school tournaments
Year 10	Netball Australia Foundation Coaching course Phys. Ed. Studies Course introduction Ability to coach, manage and umpire games (Years 10 to12)
Year 11 & 12	Ability to organise all aspects of a netball carnival (Year 11 & 12) Phys. Ed. Studies/Sport Coaching Certificate - netball specific course of study (Year 11 &12) Edith Cowan University Short Course - Introduction to Sport Science.

**For More Information Contact**

Students who wish to join the specialist netball program in Year 9 should contact Netball Teacher In Charge:

Ms Taryn Smith            [taryn.smith2@education.wa.edu.au](mailto:taryn.smith2@education.wa.edu.au)

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, and encourage responses, and enrich our knowledge of self, communities, world cultures and histories.

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

At Melville SHS, staff aim to provide students with authentic learning experiences that engage their minds, hearts, and bodies with learning experiences that are real and meaningful for them. While learning in other disciplines may often focus on development of 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 Performing Arts 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 subjects on offer from all six of our contexts: Design, Visual Art, Media, Dance, Drama and Music. 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 are free to undertake studies in Performing Arts and Visual Arts over the academic year. Selections should be based on personal interest and, importantly, aspiration for Senior School courses.

### Pathways

Contexts	PERFORMING ARTS				VISUAL ARTS				
	OPEN COURSES			SPECIALIST Select Entry	OPEN COURSES				SPECIALIST Select Entry
YEAR 9 Semester Courses	Dance 1DA9	Drama 1SR9	Music App. 1MA9	Music in Focus 1MU9	Visual Art 1 (2D) 1ARP9	Visual Art 2 (3D) 1ARC9	Media Arts 1ME9	Design 1DES9	Graphic Design Media 1GDM9
YEAR 10 Year long Courses	Dance	Drama	Cert II in Music Industry	Music in Focus	Visual Art 1 (2D)	Visual Art 2 (3D)	Media Arts	Design	Graphic Design Media
YEARS 11/12 Courses of study	Drama - ATAR Cert II Live Production Cert II Dance		Music - ATAR Cert III Music Industry		Visual Art - ATAR Cert II in Visual Art Visual Arts - General Cert II Creative Industries Film & Design Cert III Screen & Media ATAR Design /Graphic Design - General ATAR Media Production & Analysis - General				

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.

## PERFORMING ARTS (PA)

### 1DR9 - Drama

Semester Cost \$20.00

#### **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 elements of narrative, voice, movement, performance and Stage design 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 into performances in class, at Variety Nights, Performing Arts festivals or in other parts of the school's performance program.

### 1PADR9 - Dance

Semester Cost \$20.00

#### **Pre-Requisites: Nil**

This course allows students to develop their understanding of basic skills, techniques and processes of Dance 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 into performances in class, at Variety Nights, Performing Arts festivals or in other parts of the school's performance program.

### 1MA9 - Music Appreciation

Semester Cost \$40.00

#### **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, music instruments and performance. Students will also demonstrate practical skills and processes involved in performing, recording and producing music. They do this by composing and creating music using a wide variety of available technologies as well as traditional music instruments.

## VISUAL ARTS (VA)

### 1ARP9 - Visual Art 1 (2D)

Semester Cost: \$50.00

#### **Pre-Requisites: Nil**

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

### 1ME9 - Media Arts

Semester Cost \$30.00

#### **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 in doing so 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 short videos, music videos, photographic works, advertisements, or animations. They also continue to develop their skills in using current media production technologies and industry standard production software.

### 1DES9 - Design (Graphics & Photography)

Semester Cost \$40.00

#### **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, de-construct and respond to different examples of the two disciplines and in doing so learn essential language and terminology. They also learn to communicate their ideas for 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.

### 1ARC9 - Visual Art 2 (3D)

Semester Cost \$50.00

#### **Pre- Requisites: Nil**

In this course students explore three-dimensional media, materials, techniques and technologies, such as clay hand building skills as well as a variety of other sculptural media and techniques. 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 & Talented)

Semester Cost: \$15.00  
Semester Cost: \$30.00

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 together can be addressed in any activity or sequence of work. As part of their course work students will study a range of text types including novels, short stories, feature films, autobiographies, non-fiction and advertising. They will be expected to demonstrate mastery of a range of writing genres including narratives, expository and multi-modal texts. Students will also be introduced to a variety of writing genres and be expected to develop skills in these. The WA curriculum places emphasis on developing an understanding of how the English language works. As a result, there will be regular lessons in grammar and spelling skills.

A significant feature of the Year 9 course will be the NAPLAN testing conducted at the beginning of Term 2. These national tests in reading, writing, spelling and language conventions give 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 As A Second Language

Semester Cost: \$22.00

ESL English is a flexible program of instruction for language and literacy development, designed to assist students whose first language is not English. ESL classes are formed in Year 8, 9 and 10 as required. Students new to the Australian context are encouraged to check their eligibility upon enrolment.

ESL 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.

In Years 8 and 9, ESL 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 ESL programs are designed to effectively prepare students for achieving their WACE through participation in English as an Additional Language (EAL/D).

## Pathways

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

# HEALTH & 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, which are based on informed decision making. Central to the ongoing education of each student is the development of interpersonal skills for the establishment and maintenance of 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 9	Health Education Is a compulsory component in all HPE Courses	Elective Components			Specialist Program	
		Physical Education	Soccer	Advanced Athletics, Swimming & Sport	Netball	
Year10	Health Education Is a compulsory component in all HPE Courses	Electives - Choose one from below			Extra Elective	Specialist Program
		Physical Education Recreation	Soccer	Outdoor Education	Sports Science	Netball
Year 11&12	Health Education Studies	Physical Education Studies	Outdoor Education Studies		Senior School Netball Pathway	

### Health Education - 3HE9

Semester Cost: \$8.00

The focus during this course is 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 the use of alcohol, tobacco, and drugs (both legal and illegal) are comprehensively discussed. Lifestyle choices connected with conception, pregnancy and births, as well as contraception is reviewed. Individual diet and exercise programs are monitored and personal fitness levels are measured.

### Physical Education - 3PE9

Semester Cost: \$11.00

Linked with the Health Education component will be physical activity electives that will allow students to develop outcomes in aspects of 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, as well as to encourage the establishment of positive attitudes and values toward living a healthy lifestyle.

### Soccer Program - 3SO9

Semester Cost: \$35.00

Students may elect to participate in a special soccer class. This class will be delivered by a specialist soccer coach. The program aims to develop personal and team skills through training and games and may involve representing Melville SHS in competition. Skills and understandings will also be developed in coaching and umpiring, not just playing. Students need to have a background in soccer or a strong interest in learning the game in order to select this course. This program has a 'learning through game-play' focus.

### Advanced Athletics, Swimming & Sport - 3AS9

Semester Cost \$25.00

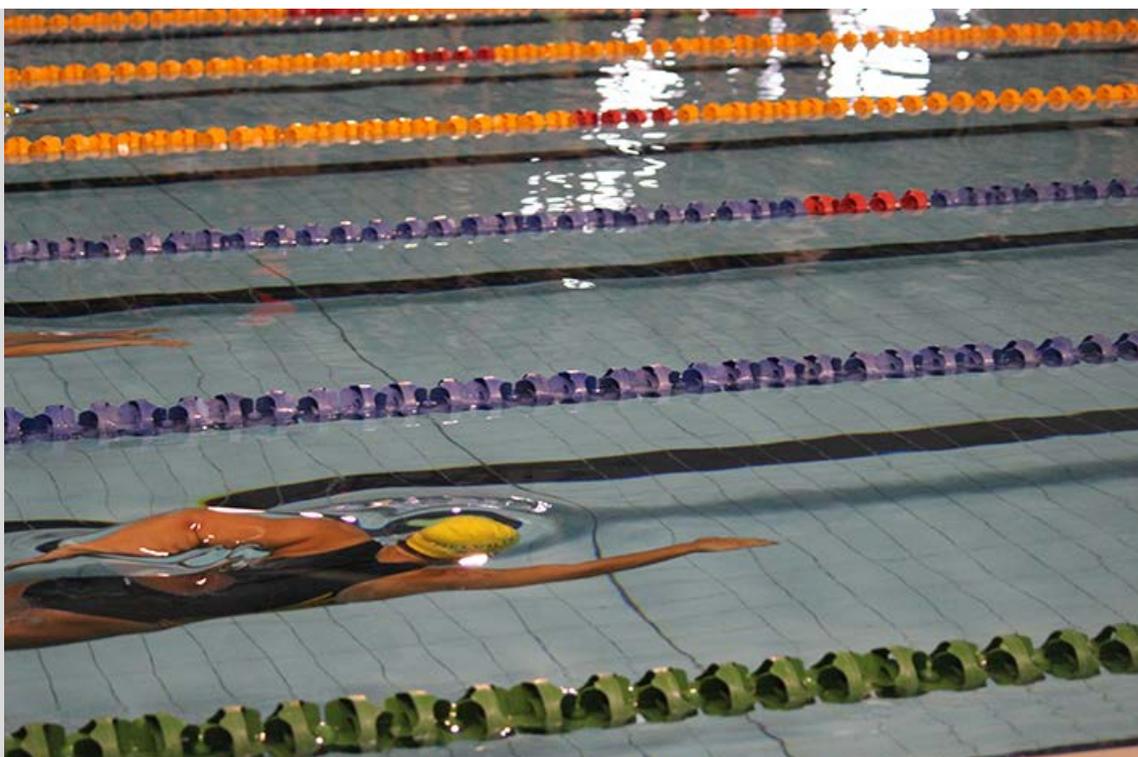
(Note: students who select this subject will also participate in a selection of sports from the mainstream Year 9 PE program to add variety in the experiences provided to them).

This is a continuation of 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 new to the handbook and 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 Bi-Athlon
- 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 an insufficient number of students select this subject, students will participate in the normal Year 9 mainstream PE program).*



# HUMANITIES & SOCIAL SCIENCES

Humanities And Social Sciences

Semester Cost: \$17.00

The Year 9 course has an emphasis on Australia and their role in a globalised world. Students will achieve outcomes in the contexts of Geography, Civics and Citizenship, Economics and Business and History.

In Geography Year 9 students will investigate the concept of food security and they will discuss issues such as who has access to food in the world and who does not, as well as the reasons why. They will then study the concept of "Interconnections". This is how people are connected around the world, through transport, communication and travel.

In History students learn about the Industrial Revolution and how this part of history still has an impact on the world today. They discover that concepts such as workplace rights and relations were developed in this time and have changed over time to create the workplace rights that are taken for granted today. Students then learn about World War I and Australia's role in the "war to end all wars". They will learn about the ANZAC legend and how this legend has changed and developed Australia's identity, and the impact this has on Australia today.

In Civics and Citizenship students research the role of political parties in the Australian political system. They discover how citizen's ideas and choices at election time are influenced by advertising and political parties. They then learn how the Australian court system upholds the laws of Australia. We look at the hierarchy of the court system and how each tier interprets laws.

In Economics and Business students ascertain the role of the consumer in society. They determine how their choices as consumers impact on their local economies and on the economy of Australia.

The Humanities and Social Sciences outcomes covered in Years 9 will lead to entry into the following Senior School courses of study:

- Geography
- Modern History
- Politics and Law
- Economics
- Career and Enterprise
- Accounting and Finance
- BSB20115 - Certificate II in Business (RTO VETiS Consulting Services Pty Ltd RTO Code 52499)

Entry into Humanities and Social Sciences courses in Senior School years will be influenced and affected by grades attained in lower school. It is recommended that students be **achieving a 'B' Grade** in Humanities and Social Sciences for entry into these courses, although students who are aiming for university entrance should be achieving 'B' Grade by the end of Year 10.

Year 9	Semester 1 & 2 - four hours per week
Year 10	Semester 1 & 2 - four hours per week

Year 11&12	Accounting & Finance	Economics	Geography	Modern History	Politics & Law	Career & Enterprise including Workplace Learning	BSB20115 - Certificate II in Business* <small>* RTO VETiS Consulting RTO code 52499</small>
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# LANGUAGES

## Multiple languages for our multicultural society

There are two languages offered to students at Melville Senior High School: Italian and Chinese. The rise and interest in Languages and the need for Languages in a global context, has seen the need for the Western Australian Curriculum to mandate that Languages must be learnt at some stage in a student's educational journey. Today, knowing a Language sets you apart from everyone else and gives you that edge in employment opportunities, travel experiences and general communication. Languages empowers!

Students are encouraged to continue with the language they studied in the previous year to maximise competency and learning opportunities into the post-compulsory years of schooling and tertiary education. The course will run for an entire year.

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 as well as making us more adaptable to our social and working environments.

Languages also make us think about the way 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, as a translator, Editor or Proofreader, Interpreter, Teacher, Language Engineer, Lexicographer, Linguist, Localizer, Program Manager, Subtitled, Voice over, Terminologist, Transcriptionist, Translator, News reader and Broadcaster, tourism and hospitality fields or in any field that requires the application of people skills and language.

	ITALIAN	CHINESE		
Year 9	Italian Year Length Course 4IT9	Chinese Second Language Year Length Course 4CS9	Chinese Background Language Year Length Course 4CB9	Chinese First Language Year Length Course 4CFL9
Year 10	Italian Year Long Course	Chinese Second Language Year Length Course	Chinese Background Language Year Length Course	Chinese First Language Year Length Course
Year 11&12	Italian Second Language - General Italian Second Language - ATAR	Chinese Second Language - ATAR Chinese Background Language - ATAR Chinese First Language - ATAR Chinese Second Language - General		

Italian - 4IT9

Semester Cost: \$10.00

Italian is the language of romance, Europe and finesse. It is encouraged for students who have learnt Italian in primary school and Year 8.

## Travel, communicating and enjoying the best bits 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 be recognising Italian monuments and cities and looking at modes of transport through Italy including travelling on the Eurostar. Students will be participating in role plays and classroom games to strengthen conversation skills in Italian. Students will compare the climate between Australia and Italy, as well as discuss clothing and other items you would need to travel overseas.

The program focus for Semester 2 is 'In Citta con gli Amici'. This program will examine leisure activities of teenagers in Italy and compare them to our own 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. Italy and Italians are lovers of coffee. 'Bars' are scattered throughout Italy where people can get food, coffee and alcohol. Students will be able to understand an Italian bar menu, ask for drinks and snacks and express likes and dislikes of foods. They will also gain an understanding of the Italian currency, the Euro and the Italian migration. Students will further explore relationships, social issues and discussing the future.

Chinese - 4CS9, 4CB9 or 4CFL9

Semester Cost: \$10.00

Chinese Second Language (CSL) is for students with no or limited Chinese literacy. Year 8, 9, 10 (Unit 1A)

### **Unit 1A CSL**

The focus is Daily routine, sports & leisure. It 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 develop an understanding of what it is to be Chinese-speaking, and compare their own lives to those of others in Chinese-speaking communities.

### **Unit 1B CSL**

The focus is Shopping and eating out in China. It 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 communities, students learn more about communities and their cultures and their sense of space and place.

### **Chinese Background Language (CBL) Year 8, 9, 10**

Chinese Background Language Course is designed for students who have received a few years of formal education in a Chinese speaking country or area. Chinese Background Speakers Course is one of the tertiary entrance examination subjects in Western Australia.

Stage 1 A covers the theme of the Individual & the Community and Youth Culture. Students will explore the following issues in their native language, Chinese.

- The role of the individual in today's society
- Changing gender roles in today's society
- The role of family and marriage in contemporary society
- Pressures on young people today
- The place of education in young people's lives
- The impact on young people of changes in traditional social values.

Students are given opportunities to develop skills in analysing Chinese literature and writing a variety of articles in Chinese.

Stage 1 B covers the themes of Chinese Communities Overseas and Global Issues.

Students will explore the following issues in their native language, Chinese.

- Adapting to new cultures (education, leisure, lifestyle)
- The maintenance of Chinese cultural contexts
- Economic growth and its impact
- Environmental issues
- The impact of international influences on Chinese-speaking countries

Students are given opportunities to develop skills in analysing Chinese literature and writing a variety of articles in Chinese.

# MATHEMATICS



Mathematics - 5Ma9  
Mathematics- 5GAT9 (Gifted & Talented)

Semester Cost: \$12.00  
Semester Cost: \$17.00

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 of the 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 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** - For 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.

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.

Year 9-10	Semester 1 and 2 - four hours work per week			
YEAR 11/12	Mathematics Applications	Mathematics Methods	Mathematics Specialist	Mathematics Essential - General

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

# SCIENCE

Science - 6SC9

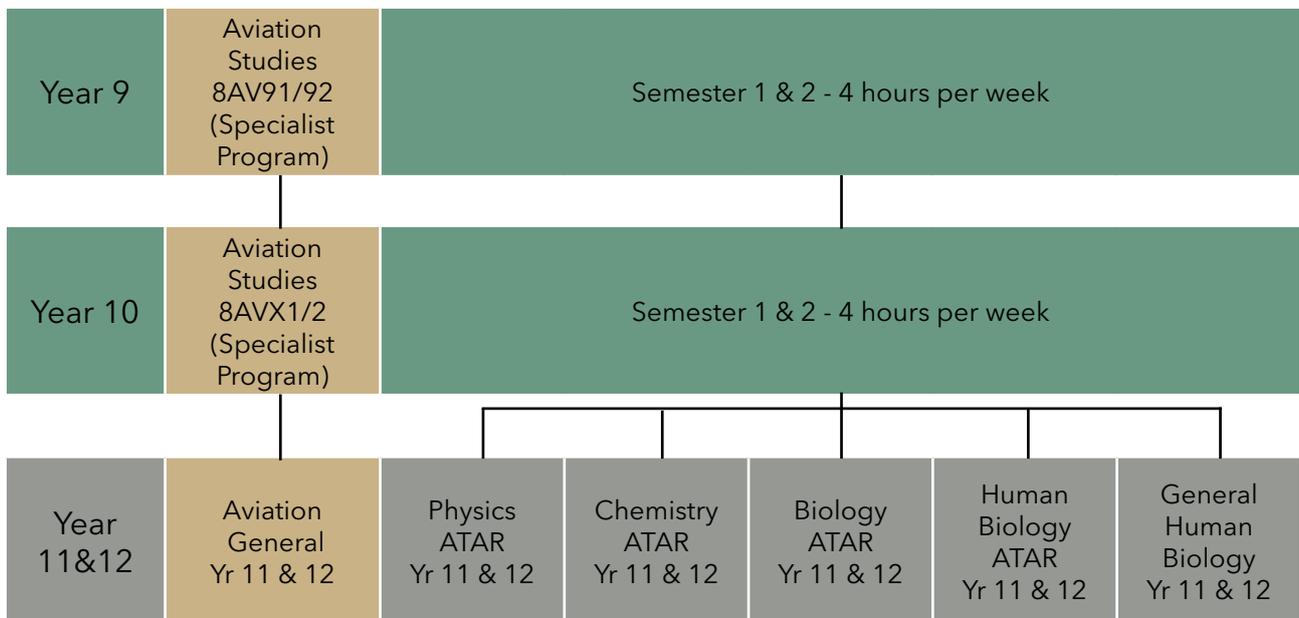
Semester Cost \$17.00

In Year 9 all students will study the following outcomes:

- Term 1 Earth Science and Chemistry
- Term 2 Chemistry and Physics
- Term 3 Physics and Biology
- Term 4 Human Biology and Biology

These outcomes are interwoven with the process outcomes of Science Inquiry Skills. All Year 9 Science classes complete the same curriculum and common assessments.

Students planning to attempt ATAR science courses in Year 11 and 12 need to achieve a 'B' grade in 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.



# TECHNOLOGIES

In an increasingly technological and complex world, it is important to develop knowledge and skills to analyse and creatively respond to design and/or digital challenges.

Society needs enterprising students who can make discerning decisions about the development and use of technologies, develop solutions to complex challenges and contribute to sustainable patterns of living. Technologies can play an important role in transforming, restoring and sustaining societies and natural, managed and constructed environments.

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

- Design and Technologies (DAT) - in which students learn in the contexts of Woodwork, Mixed Materials, Food & Nutrition, and Textiles
- Digital Technologies (DT) - 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 undertake studies in Design & Technologies and Digital Technologies over each Semester. Selections should be based on personal interest and, importantly, aspiration for Senior School courses.

Contexts	DESIGN & TECHNOLOGIES				DIGITAL TECHNOLOGIES	
	OPEN COURSES				OPEN COURSES	
YEAR 9 Semester Courses	Woodwork 8MDW9	Materials 8MDM9	Foods 8MDF9	Textiles 8MDT9	Digital Engineering 8DE9	Digital Technologies 8DT9
YEAR 10 Year long Courses	Woodwork	Materials	Foods	Caring for Children	Digital Engineering	Digital Technologies
Senior School Courses of study	Materials Design & Tech - Wood  Design Technical Graphics - General  General Building & Construction	Building & Construction	Food Science & Technology	Children, Family & the Community	Certificate II in Engineering Pathways	Applied Information Technology - ATAR  Applied Information Technology - General

## COURSE DESCRIPTIONS

### Design & Technologies (DAT)

8MDW9 - Woodwork

Semester Cost \$45.00

#### Pre-requisites: Nil

In Woodwork students explore a range of timbers, manufactured boards, joining techniques and design methods. Using supplied frameworks and available facilities and resources they design and create solutions to design challenges.

Students will make a range of projects using a range of tools, equipment and CAM laser cutting technologies to develop solutions to design challenges. This course is designed for students who enjoy a hands-on creative challenge that expands their knowledge of sustainable materials and practices used in society.

### 8MDM9 - Mixed Materials & Technologies

Semester Cost \$45.00

#### **Pre-requisites: Nil**

In Mixed Materials students refine their understanding of a range of materials including; plastics, metals and manufactured boards. They design and create solutions to design challenges using available facilities and resources. CAD software may also be used in the development of their design ideas.

Students make a range of projects by safely using workshop and power tools as well as CAM manufacturing. This course is designed for students who enjoy a hands-on creative challenge that expands their knowledge of materials used in society

### 8MDF9 - Food & Nutrition

Semester Cost \$60.00

#### **Pre-requisites: Nil**

In this course, students will complete a range of hands-on food production activities and activities that include the study of current food trends and foods from other countries. Packaged foods, fast foods and commercially prepared products will be studied, and students will be equipped with the knowledge and skills to enable them to make healthy and sustainable food choices.

Students are also given more complex recipes and food design challenges that allow them to effectively demonstrate their skills in the kitchen.

### 8MDT9 - Textiles

Semester Cost \$60.00

#### **Pre-requisites: Nil**

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

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

## **Digital Technologies (DT)**

### 8DE9 - Digital Engineering

Semester Cost \$25.00

#### **Pre-requisites: Nil**

In this course, using industry software, students explore the world of digital engineering through computer assisted research, data analysis, design, drawing and manufacturing to design and develop practical engineering solutions.

Their understanding of the digital engineering process develops through structural and sustainable design, collaborative problem-solving and creation of physical engineering solutions.

In addition, students will have the opportunity to 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.

### 8DT9 - Digital Technologies

Semester Cost \$25.00

#### **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.