

YEAR 8  
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

## Compulsory Courses

- English Studied for 4 hours per week
- Maths Studied for 4 hours per week
- Science Studied for 4 hours per week
- Humanities and Social Sciences Studied for 4 hours per week
- Health and Physical Education Studied for 2 - 4 hours per week

## 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 further detail later 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.

**Please Note:** In certain circumstances students under-performing both academically and behaviourally who live out of the Melville SHS local intake area may be asked to leave the school.





# 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 and 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 & Talented Programs through a central selection process. For more [information on the program and testing dates, please click here](#).

'Top-up' testing for this program is available in Years 8, 9 and 10 for entrance into the program in the following academic year. The school recommends contact with the Teacher in Charge of the Gifted and Talented Program.

### ACADEMIC EXTENSION COURSE (AEC)

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 with 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 AEC program is designed so that students are given every opportunity to optimise their areas of talent; therefore we have divided the program into two areas, including:

1. Humanities (English & Humanities and Social Sciences)
2. 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 placed in only the Humanities and Social Sciences and English 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

Students are selected through a school run process and 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 1 - 8AV81

Cost: \$79.00

### **Mechanics Of Flight**

This topic is designed to familiarize students with the components of an aircraft. It then deals with the concepts involved in achieving flight. Educational objectives covered;

- Parts of an aircraft and their functions
- How an aeroplane flies

### **World Of Aviation**

This topic covers the awareness of the history of flight and the manner in which the aircraft has shaped the world. In addition, the student will discover and appreciate the many roles and functions of an aeroplane since its invention. Educational objectives covered:

- Development of aircraft
- Aviation pioneers
- The jet revolution
- Roles and functions of the aeroplane

## **SEMESTER 2**

AVIATION 2 - 8AV82

Cost: \$79.00

### **Structure Of The Aircraft**

This topic involves a study of the manner in which aircraft are constructed, following which students practice these techniques in the construction of models. Educational objectives covered;

- Aircraft structures
- Stresses
- Controls
- Modelling

### **Aircraft And The Environment**

The topic involves a study of the environment in which aeroplanes operate. This includes the aerodrome, the atmosphere and the communications and control network with which it is involved. Educational objectives covered;

- The aerodrome
- The atmosphere
- Air traffic control and communications

Entry to the Aviation course is only available to those students who have been selected by testing and /or interview. Aviation in Year 7 and 8 is two hours per week and four hours in Year 9 and 10.

### **Pre-Requisites**

Proven performance in the areas of Maths, Science and English

### **For Information Contact**

Teacher in Charge      Mr Randall Brink on 6274 1300  
HOLA                      Mr Kim Rosenthal on 6274 1300

[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

Year 8 (1GDM8)

Year Cost: \$130.00 plus booklist items

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

### **Core Curriculum (2hrs 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 masterclass 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



NETBALL  
APPROVED SPECIALIST PROGRAM

3NE8

Cost: \$75.00 each semester

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

Melville SHS provides students with two hours 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 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 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?

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 10-12)
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.

*\*Please Note: Students who wish to join the specialist netball program in Year 8 are involved in performance trials when in Year 6; in May of Semester 1 and again (if needed) in September of Semester 2.*

FOR MORE INFORMATION CONTACT

Contact Netball Specialist Teacher in Charge on 6274 1300

Netball Teacher In Charge:

Ms Taryn Smith

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



# MUSIC IN FOCUS

## APPROVED SPECIALIST PROGRAM

YEAR 8 (1MU8)

Year Cost: \$80.00  
plus ensemble & instrumental lesson costs

### Core Curriculum (2hrs per week in class)

Class curriculum covers topics such as: world music; music from the 50's and 60's Music; theory composition; 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 SHS to students selected for the Music in Focus Program who are continuing lessons from year 7. 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 8. 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 required to join either 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 7-12)
- Swing Band (invitation only)
- Intermediate Concert Band (Years 7-10)
- Senior Concert Band (Years 10-12)
- 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 Nikala Cunningham      nikala.cunningham@education.wa.edu.au  
Head of Learning Area: Mr David Anderson      david.anderson@education.wa.edu.au

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

# ARTS

In the Arts learning area students develop creative skills, critical appreciation and knowledge of artistic techniques and technologies in dance, drama, media, music, visual arts and combinations of arts forms. The Arts develop students' sense of personal and cultural identity and equips them for lifelong involvement in, and the appreciation of the Arts.

The Arts provide young people with authentic learning experiences that engage their minds, hearts, and bodies, providing learning experiences anchored in real and meaningful contexts. The Arts regularly engages multiple skills and abilities and, whether in Visual Arts or Performing Arts, nurtures the development of cognitive, social, and personal competencies. The Arts curriculum is divided into two distinct but related areas:

- Performing Arts (PA) - in which students learn in Dance, Drama, Media Performance 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. 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 8, students are required to undertake studies in at least one Performing Arts and one Visual Arts course per year. In years 9 and 10 students can select based on personal interest and aspiration.

Contexts	PERFORMING ARTS					VISUAL ARTS				
	OPEN COURSES				SPECIALIST Select Entry	OPEN COURSES				SPECIALIST Select Entry
YEARS 8 Semester Courses	Dance 1PADR8	Drama 1PADA8	Media Perf 1PAME8	Music App. 1MA8	Music in Focus 1MU8	Visual Art 1 (2D) 1ARP8	Visual Art 2 (3D) 1ARC8	Media Arts 1ME8	Design 1DES8	Graphic Design Media 1GDM8
YEAR 9 Semester Courses	Dance	Drama		Music App.	Music in Focus	Visual Art 1 (2D)	Visual Art 2 (3D)	Media Arts	Design	Graphic Design Media
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.

## COURSE DESCRIPTIONS

### Performing Arts (PA)

#### 1PADR8 - Drama

Semester Cost \$20.00

This course gives students further opportunities to explore basic skills, techniques and processes involved in various aspects of Drama. Students are introduced to various elements of narrative, voice, movement, performance and staging through practical exercises in a creative and safe environment. Students also explore scripts and device performance in the genres of Improvisation and Role Play that will be performed in class, at Variety Nights, Performing Arts festivals or in other parts of the school's performance program.

### 1PADA8 - Dance

Semester Cost \$20.00

This course gives students further opportunities to explore basic skills, techniques and processes involved in various aspects of Dance. Students are introduced to various elements of narrative, voice, movement, technique, choreography and progression through practical exercises in a creative and safe environment. Students also learn choreography from genres such as contemporary, jazz or hip hop that will be performed in class, at Variety Nights, Performing Arts festivals or in other parts of the school's performance program.

### 1PAME8 - Media Performance

Semester Cost \$30.00

With a focus on practical application this course develops and hones students' understanding and skills in audio-visual media. Working independently and collaboratively, students view and respond to media works, develop their performance and technical skills as they create and star in their own media works, learning how to build characters and persona's and understanding on-set technical elements, all using current media production technologies and software.

### 1MA8 - Music Appreciation

Semester Cost \$40.00

This course continues to teach students musical concepts and techniques and improves students' general musicianship. They will participate in activities that develop their understanding of musical elements, style and genre, music instruments and performance.

Students are also introduced to practical skills and processes involved in performing, recording and producing music. They learn to compose and create music using a wide variety of available technologies as well as traditional music instruments.

## Visual Arts (VA)

### 1ME8 - Media Arts

Semester Cost \$30.00

This course further develops student understanding of key Media Arts 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 media works that may include short videos, genre films, photographic works, advertisements, or animations. They also develop their skills in using current media production technologies and industry standard software.

### 1DES8 - Design (Graphics & Photography)

Semester Cost \$40.00

This course further 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 business cards, magazines, logos and t-shirt design. Students do this using a variety of printmaking and photographic techniques to develop their skills in design, illustration, photography, and industry standard software.

### 1ARP8 - Visual Art 1

Semester Cost \$50.00

With a focus on Imagination this course further develops students' knowledge of the elements and principles of Visual Art. Throughout the course students demonstrate their understanding by responding to a variety of art media including drawing, painting, ceramics and print media which extends their ability to use art language in their own critical responses.

Students then use this knowledge to complete several, original studio works responding imaginatively to specific Art Movements. This course focuses on 2-Dimensional art including drawing, painting and print media.

### 1ARC8 - Visual Art 2

Semester Cost \$50.00

This course further develops students' knowledge of the elements and principles of Visual Art. Throughout the course students demonstrate their understanding by responding to a variety of art media which extends their ability to use art language in their own critical responses.

Students then use this knowledge to complete several, original studio works responding imaginatively to specific Art Movements. This course focuses on 3-Dimensional art including sculpture, mixed-media and ceramics.

# ENGLISH

English  
English (Gifted & Talented)

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

Students will be completing the Year 8 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 feature of the Year 8 course will be the preparation for NAPLAN testing conducted in first semester of Year 9. 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, it is important students are ready for the demands of NAPLAN.

## 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

English As A Second Language

Semester Cost: \$15.00

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).

# HEALTH & PHYSICAL EDUCATION



YEAR 8	Health Education Is a compulsory component in all HPE Courses	Elective Components					Specialist Program
		Physical Education	Advanced Athletics, Swimming & Sport			Netball	
YEAR 9	Health Education Is a compulsory component in all HPE Courses	Physical Education	Advanced Athletics, Swimming & Sport		Soccer	Netball	
YEAR 10	Health Education Is a compulsory component in all HPE Courses	Physical Education	Recreation	Outdoor Education	Sports Science	Soccer	Netball
YEAR 11/12	ATAR Health Education	ATAR Physical Education	Certificate II Outdoor Education	Certificate II Sport Coaching		Certificate II Sport Coaching (Specialised Netball Pathway)	

## 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, 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, Sport and Dance.

### Health Education - 3HE8

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 - 3PE8

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.

### Advanced Athletics, Swimming & Sport - 3AS8

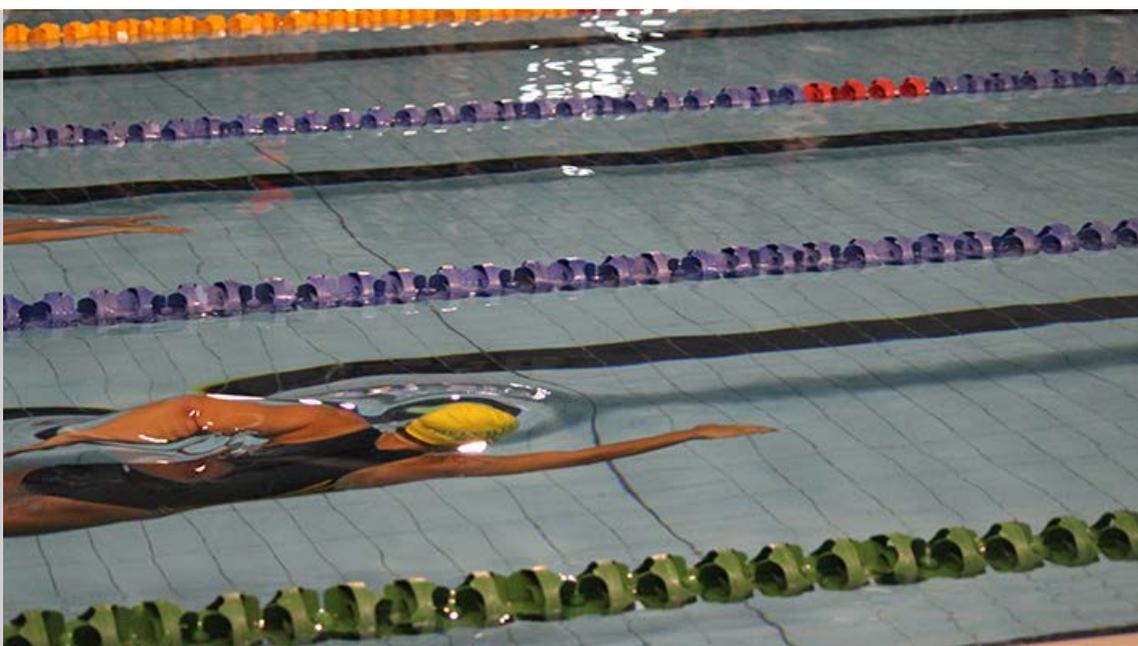
Semester Cost: \$25.00

Students may elect to participate in this class instead of the mainstream Physical Education class. This elective is new to the handbook and is aimed at students who primarily have a strong interest in athletics, and swimming and who aim to become members of our coveted MSHS A Division Inter-school Athletics team and Inter-school Swimming team. In this class there will be a particular focus on improving student ability in athletics and swimming to promote strong individual (and team) performance in both House and Inter-school Carnivals. Some of the fun and engaging components of this unit include;

- Event specific training 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 and fun pool based activities
- Selected sports from the Year 8 PE program

Students who select this class will still be provided with an opportunity to engage in some of the sports covered in the mainstream PE program as a way of improving fitness, physical skills and team-work skills.

(Note: If an insufficient number of students select this subject, students will participate in the normal Year 8 mainstream PE program instead)



# HUMANITIES & SOCIAL SCIENCES



## Humanities and Social Sciences

Semester Cost: \$17.00

The Year 8 course has a wide range of topics to learn about and explore. In Year 8 Humanities and Social Sciences we will be investigating Medieval History and its impact on the world today. Students will also be learning about the Black Death and why it still has a lasting influence today.

In Geography students will look at Landforms and Landscapes, particularly in Australia and the processes that form these landscapes. We will also be looking at Changing Nations and Urbanisation. Students will discover why people move to certain areas and why more and more people around the world are choosing to live in cities.

Students will also be learning about Civics and Citizenship, specifically the freedoms in Australia that allow people to make informed decisions, such as freedoms of speech, movement and assembly. They also investigate how laws are made in Australia and how these laws are implemented in Australian society.

In Economics and Business students learn about the Circular Flow of Income and how they contribute to this flow as consumers. They investigate the impact that Economics has on their day to day lives. Students then study the different types of business structures and market places that people use to run businesses to fulfil people's needs and wants.

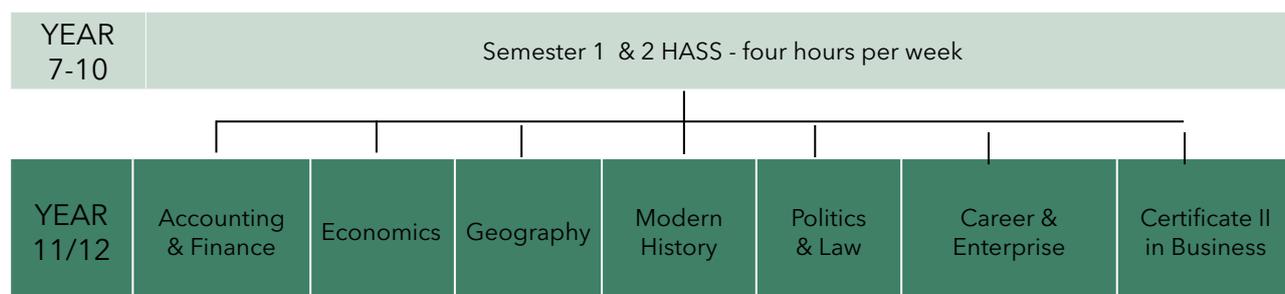
The Humanities and Social Sciences outcomes covered in Years 8, 9 and 10 will lead to entry into the following senior school courses of study:

- Geography
- Modern History
- Politics and Law
- Economics
- Career and Enterprise
- Accounting and Finance
- Certificate II in Business

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.

## PATHWAYS



# LANGUAGES

## Multiple languages for our multicultural society

There are two languages offered to students at Melville Senior High School: Italian and Chinese. Languages are compulsory in Year 7 and 8. 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. However, students new to Languages are welcomed to enrol in this wonderful course as it accommodates all ability levels.

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 field or in any field that requires the application of people skills and language.

## PATHWAYS

	ITALIAN	CHINESE		
Year 8	Italian* 4IT81 & 4IT82	Chinese* 4CS81 & 4CS81		
Year 9&10	Italian	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 General Chinese Second Language - ATAR		

\* Compulsory year length courses- choose 1

Italian  
- 4IT81  
- 4IT82

Semester Cost: \$10.00  
Semester Cost: \$10.00

Italian is one of the two compulsory languages offered at Melville SHS. Italian is encouraged for students who have learnt Italian in primary school, or even students who have no prior knowledge of the language. Students will be expected to review concepts at home and adopt relevant software and applications when instructed.

Students become familiar with the pronunciation and sound system of Italian, noting similarities and differences with English. They build a vocabulary relating to people and objects in their immediate worlds.

They learn how to use definite and indefinite articles. They learn how to form singular and plural nouns, to recognise patterns of noun categories and to understand the general rule of gender and agreement. Students learn simple sentence construction (subject-verb-object), which is enriched by the use of adjectives. They create their own texts mainly using the present tense of regular and common irregular verbs. They gradually build more extended texts, using cohesive devices. Students develop language for interacting with the teacher and each other. They learn to distinguish between formal and informal register. They develop a metalanguage to describe and discuss features of Italian.

The Program includes 'Buon Appetito' the focus being food. Students will participate in role plays and classroom games to master new expressions about eating out in Italy and the many culinary treats the Italian culture has introduced us to. Students will look at Italian recipes and even sample Italian gelato (ice-cream) on 'Gelato Day.'

Other themes include 'Feste', school life, regions of Italy, the human body and directions. Students will extend their basic grammar to be able to communicate on a higher level to describe these items. They will delve further in critical thinking and apply their spoken Italian for refinement. The year will round off a solid grounding for future Italian studies.

#### Chinese

- 4CS81

Semester Cost: \$10.00

- 4CS82

Semester Cost: \$10.00

The systems of spoken and written language in Chinese are distinct. They are also quite distinct from the English language system. Because of the role of character learning and its impact on reading and writing, learners' spoken language use is more advanced than their written language use; therefore, students will be immersed in the sights and sounds of Chinese. They develop oral language through active listening, observing interactions between native speakers, and using the spoken language for purposes such as socialising, transacting and getting things done, sharing information and engaging in imaginative performance. They are likely to understand more words than they can say or write. They use Pinyin as a resource to support learning, prepare drafts of oral and written texts, and learn new oral vocabulary.

The focus is Likes & Dislikes and general communication and refinement. 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. Students will gain a greater awareness and refinement in their Chinese Language skills.

Classroom interaction is primarily conducted in Chinese. Students extend their knowledge of language structures and text organisation through reading and viewing authentic material and discussing how to apply new learning to their own communication. They are immersed in Chinese language, exploring issues related to youth culture, environmental conservation, family structure and welfare, and the features of diverse Chinese personal and social environments.

#### Chinese Year 8

This covers the themes of Chinese Communities Overseas and Global Issues.

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

- The role of the individual in today's society.
- Adapting to new cultures (education, leisure, lifestyle)
- The maintenance of Chinese cultural contexts
- 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.

# MATHEMATICS

MATHEMATICS

- 5MA8  
- 5GAT8

Cost \$12.00 each semester  
Cost \$17.00 each semester

## In Year 8:

- **Understanding** includes describing patterns involving indices and recurring decimals, identifying commonalities between operations with algebra and arithmetic, connecting rules for linear relations with their graphs, explaining the purpose of statistical measures and explaining measurements of perimeter and area
- **Fluency** includes calculating accurately with simple decimals, indices and integers; recognising equivalence of common decimals and fractions including recurring decimals; factorising and simplifying basic algebraic expressions and evaluating perimeters and areas of common shapes and volumes of three-dimensional objects
- **Problem-solving** includes formulating and modelling practical situations involving ratios, profit and loss, areas and perimeters of common shapes and using two-way tables and Venn diagrams to calculate probabilities
- **Reasoning** includes justifying the result of a calculation or estimation as reasonable, deriving probability from its complement, using congruence to deduce properties of triangles, finding estimates of means and proportions of populations.

## Semester 1

- Mainstream
- Academic Extension
- Gifted and Talented

**Semester 2** - classes determined from student results and three Pathways formed

- Pathway 1 - Gifted and Talented, AEC + other classes. Coursework studied to greater depth and breadth with additional enrichment activities
- Pathway 2 - Coursework completed at a steady pace for greater understanding
- Pathway 3 - Coursework based on syllabus with emphasis on practical learning at a pace suited to abilities.

## Assessment

Students in Semester 1 receive a Learning Area grade (A, B, C, D or E) based on their results according to the SCSA judging standards and relative position in the entire cohort. 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 8 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 8 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 8-10	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.

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

# SCIENCE

Science - 6SC8

Cost \$17.00 each semester

In Year 8 all students study Science for four hours per week. They cover all the major concepts of science, including physics, chemistry, biology and earth sciences as well as science laboratory and investigative skills.

In Year 8 students will cover the following outcomes:

- 11 weeks                      Chemistry
- 10 weeks                     Biology
- 8 weeks                        Physics
- 8 weeks                        Earth sciences

These topics are interwoven with the process outcome of Science Enquiry Skills throughout the year.

Students planning to attempt ATAR science courses in Year 11 & 12 need to achieve a 'B' grade or better in Semester 2, Year 9 Science. This will ensure they will be placed into the higher pathway science in Year 10 that is essential for the upper school courses.

YEARS 8-10	Aviation (Specialist Program) 8AV81/82	Science - Semester 1 & 2 - 4 hours per week 6SC8				
YEARS 11/12	Aviation General Yr 11 & 12	Physics ATAR Yr 11 & 12	Chemistry ATAR Yr 11 & 12	Biology ATAR Yr 11 & 12	Human Biology ATAR Yr 11 & 12	General Human Biology Yr 11 & 12



# 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 8 students are required to undertake studies in at least one Design & Technologies and one Digital Technologies course in each year. In Years 9 and 10 students can select based on personal interest and aspiration.

Contexts	DESIGN & TECHNOLOGIES				DIGITAL TECHNOLOGIES	
	OPEN COURSES				OPEN COURSES	
YEAR 8 -9 Semester Courses	Woodwork 8MDW8	Materials 8MDM8	Foods 8MDF8	Textiles 8MDT8	Digital Engineering 8DE8	Digital Technologies 8DT8
YEAR 10 Year long Courses	Woodwork	Materials	Foods	Caring for Children	Digital Engineering	Digital Technologies
Design Technical Graphics - General	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)

#### 8MDW8 - Woodwork

Cost \$40.00

In Woodwork students develop their understanding of a range of timbers, manufactured boards, joining techniques and design methods. They use provided frameworks and support to design and create solutions to design challenges using available facilities and resources.

Students will make a range of projects using basic hand and power tools and be exposed to CAM\* manufacturing. This course is designed for students who love a creative challenge and enjoy working with their hands.

\*CAM - Computer Aided (Design &) Manufacturing

### 8MDM8 - Mixed Materials & Technologies

Cost \$40.00

In Mixed Materials students develop their understanding of a range of materials including; plastics, metals and manufactured boards. They use provided frameworks and support to 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 will make a range of small projects using hand 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.

\*CAM - Computer Aided (Design &) Manufacturing

### 8MDF8 - Food & Nutrition

Cost \$60.00

Food & Nutrition gives students the opportunity to develop the knowledge and practical experience to prepare quick, delicious, reliable recipes that are packed with nutritional value.

As well as learning to cook, students also get to enjoy new taste experiences with an emphasis on flavour, colour, texture and presentation. Students get the opportunity to experiment with flavours and showcase their cooking skills. The main foci of both theory and practical tasks is healthy eating habits and sustainability.

### 8MDT8 - Textiles

Cost \$60.00

In Textiles students develop their knowledge and processes used in designing and constructing clothing and craft items. It gives students the opportunity to design and produce items that are practical, wearable and sustainable. Students are encouraged to demonstrate their practical skills and express their creativity in all their textile projects.

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

## Digital Technologies (DT)

### 8DE8 - Digital Engineering

Cost \$20.00

Students will explore the world of digital engineering through computer assisted research, data analysis, design, drawing and manufacturing.

Students will use software that is of industry standard to design and develop practical engineering solutions. Students will also develop their understanding of the digital engineering process through structural and sustainable design, collaborative problem-solving and creation of physical engineering solutions.

### 8DT8 - Digital Technologies

Cost \$20.00

In this course students will develop a basic understanding of network performance and ways to connect wirelessly or by wired connections. They also examine the ways all computer data including text, images and sound is represented by binary.

Students explore the way computer programming uses a collection of smaller programs known as functions to solve problems computers and binary, explore robotics and embedded systems using a collection of programs and functions to solve problems.

Students will also design user experiences and algorithms by testing, modifying and implementing digital solutions. Students will also learn to use appropriate protocols when communicating and collaborating online.