



MELVILLE
SENIOR HIGH SCHOOL

YEAR 7
2024 SUBJECT
HANDBOOK



MELVILLE
SENIOR HIGH SCHOOL
PEGASUS

MELVILLE
SENIOR HIGH SCHOOL
GRIPPE



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

CONTENTS

| | |
|--------------------------------|----|
| Welcome | 3 |
| Gifted and Talented | 4 |
| Academic Extension Course | 4 |
| Aviation | 5 |
| Graphic Design Media | 6 |
| Netball | 7 |
| Music In Focus | 8 |
| Arts | 9 |
| English | 12 |
| Health and Physical Education | 13 |
| Humanities and Social Sciences | 15 |
| Languages | 16 |
| Mathematics | 18 |
| Science | 19 |
| Technologies | 20 |

www.melville.wa.edu.au
melville.shs@education.wa.edu.au
(08) 6274 1300

Resilient **Innovative** Successful

WELCOME

Congratulations on your choice of Melville SHS for your secondary education. We believe, because of the size of the school (approximately 1450 students) and the numerous varied programs on offer (Aviation, Academic Extension, Graphic Design Media, Music, Languages and Netball, to name a few), that we provide a warm, caring learning environment that is rich in culture, challenge and diversity

We hope your association with the school is pleasant and rewarding. This booklet outlines the Curriculum courses available to students entering Year 7. The program aims to give you a wide range of opportunities in the future with subjects that fit your needs and/or interests and in which you will ultimately specialise.

Melville SHS operates on a five session day, with each session lasting one hour. The middle school curriculum follows the Australian and Western Australian Curricula and Assessment Outlines.

The Western Australian Department of Education requires that the breadth of courses is covered by all students in Years 7 and 8. They must complete one Performing Arts, Visual Arts, Digital Technologies and Design and Technologies class in Years 7 and 8.

Hours for each course in a week are as follows:

| Hours | Course | Details | Specialist/Programs # |
|----------------------|-----------------------|--|-------------------------|
| 4 | English | | GAT* or AEC** |
| 4 | HASS | | GAT or AEC |
| 4 | Science | | GAT or AEC |
| 4 | Mathematics | | GAT or AEC |
| 1 | Chinese or Italian | CHOOSE one | |
| 2 | Physical Education | | or Netball |
| 2 | Health Education | | |
| The Arts: | | | |
| 2 | Visual Arts | eg. Media, Graphic Design, Visual Art | or Graphic Design Media |
| | Performing Arts | eg. Dance, Drama, Performing Arts Production, Music Appreciation | or Music in Focus |
| Technologies: | | | |
| 2 | Design & Technologies | eg. Materials Design, Materials Engineering, Food Awareness, Textiles Essentials | or Aviation |
| | Digital Technology | eg. Digital Engineering, Digital Game Design | |

Selection into programs is based on testing and/or interviews conducted during the first half of Year 6. Placement in a Specialist program lasts four years, i.e. Years 7 to 10.

*Gifted and Talented program - Centrally selected

**Academic Extension Course - School based academic extension classes

Please be aware that though course costs are listed, these charges may vary due to unforeseen changes in curriculum delivery.

GIFTED&TALENTED

Selective Academic Program

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

Students will receive academic rigour through extended learning and enrichment opportunities in Maths, English, Science and the Humanities learning areas. The Gifted and Talented Program needs to complete foundational curriculum content. It attains this content at a student-guided pace while matching the complexity and depth with the readiness and motivation of the class.

In the classroom, Gifted and Talented students receive more appropriate work to match their skills and abilities; this includes an extension in investigations, cross-curricular concepts, critical thinking and using the information to create and explore relationships. In addition, the Gifted and Talented Program uses enrichment activities and opportunities in conjunction with Maths, English, Science and Humanities subject content to provide new experiences for students. This is evident in exclusive participation in excursions, outreach workshops/programs with universities, team-building camps, and state and national competitions. Our experienced Gifted and Talented teachers, coordinator, and other school staff help support students in their social and emotional development as young adolescents and provide them with the best opportunities in their academic journey.

Selection into the program is based on the results of the Academic Selective Entrance Test (ASET), taken in Year 6 through a central selection process. Testing for the program is also available in Years 9, 10 and 11. For more information on the program and testing dates, please click [HERE](#).

ACADEMIC EXTENSION COURSE

School Based Program

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

How Is The Course Structured?

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

How Are Students Identified?

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

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

AVIATION

Approved Specialist Program

AVIATION

YEAR COST: \$104.00

Course information:

Semester 1

The Semester 1 course is based on space travel, transport in space, rocket design and function. An introduction to the basic aerodynamics of flight is also covered, amalgamating with lessons in the school's flight simulator. This course is two hours per week over the year. The program covers areas such as:

- Space Race
- Hazards of space travel
- Accidents in space
- Rocket design
- Basic aerodynamics
- Flight lessons using the flight simulator

Semester 2

Semester 2 continues to build on topics covered in Semester 1 and introduces basic drone flight. Topics include:

- Drone safety rules
- Introduction to the DJ1 Tello drone
- Tello's basic handling and flight skills
- Introduction to coding and programming techniques



GRAPHIC DESIGN MEDIA

Approved Specialist Program

GRAPHIC DESIGN MEDIA

YEAR COST: \$130.00

Plus booklist items

Year 7 forms the first year of this specialist program. It establishes the basic parameters of the program, including the design process, design tools and both manual and digital skills in interactive, spatial and time-based media. The course structure assumes continuity in that students will consolidate and build on their skills from year to year.

Core Curriculum (Two hours per week in class)

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

Co-curriculum

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

After Hours

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

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

Entry Requirements/Pre-requisites

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

* Only a few students are selected to begin GDM once the academic year has commenced. Exceptional circumstances and transferees from other schools will be considered and, space permitting, be accepted into the program or placed on a waitlist.

Support

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

NETBALL

Approved Specialist Program

NETBALL APPROVED SPECIALIST PROGRAM

YEAR COST: \$150.00

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

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

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

The program is developed with input from Netball WA. It is designed to add to the experience and skills that have been developed in the individual through their club participation and training. Students will follow individual programs and will be able to chart their improvement and progress as they go through the course. Students will become flexible in their positions and be provided opportunities for development in positions they may specialise in. Students will learn to manage, coach and umpire throughout the program and will be expected to put their experience and knowledge into practice when participating with their club. The course will have a practical component where the students will be expected to demonstrate their management, coaching and umpiring abilities as part of their assessment.

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

Outcomes anticipated are as follows:

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

**Note: Students who wish to join the Specialist Netball program in Year 7 are involved in performance trials in Year 6, in May/June of Semester 1 and again (if needed) in Semester 2.*

MUSIC IN FOCUS

School Based Program

MUSIC IN FOCUS

YEAR COST: \$100.00

plus instrument hire (if applicable) and booklist items

The class curriculum covers topics such as an overview of musical elements, style and genre; an overview of musical instruments; and in-class band performance and rehearsal for all students.

Core Curriculum (two hours per week in class)

Instrumental Music School Services (IMSS) provide lessons free of charge at Melville SHS to students selected for the MiF Program or who are continuing IMSS lessons from primary school. Lessons are available in Voice, Classical Guitar, Electric Guitar, Bass Guitar, Percussion, Brass, Saxophone, Clarinet and Flute.

Students are generally not selected to begin new IMSS instrumental lessons in Year 7. Special circumstances and transferees from similar high/primary school programs may be allowed to audition, assuming that places are still available.

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

They are also 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

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

After Hours

MiF students are expected to spend time out of class practising skills and extending classwork. 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 6-10)
- Senior Concert Band (Years 10-12)
- Melville VOX (Vocal Ensemble-Voice Students)

Entry Requirements/Pre-requisites

Completion of Academic and Specialist testing followed by an audition and interview with the Music Teacher in Charge for those selected applicants.

Support

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

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 art forms. The Arts develop students' sense of personal and cultural identity and equip them for lifelong involvement in and 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 engage multiple skills and abilities and, whether in Visual Arts or Performing Arts, nurture the development of cognitive, social, and personal competencies.

The Arts curriculum is divided into two distinct but related contexts:

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

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

In Years 7 and 8, students must undertake studies in at least one Performing Arts and one Visual Arts course each year. In Years 9 and 10, students select based on their interests and aspiration.

Pathways

| | Performing Arts | | | | Select entry Year-long | Visual Arts | | | | Select entry Year-long |
|------------------------------|--|-------|------------------|--------------------------------|------------------------|---|--------------|------------|--------|-------------------------|
| Years 7-8 Semester Courses | Drama | Dance | Perf. Arts Prod. | Music App. | Music in Focus | Visual Art Explorations (E) Inspirations (I) | | Media Arts | Design | Graphic Design Media |
| Year 9 Semester Courses | Drama | Dance | Perf. Arts Prod. | Music App. | Music in Focus | Visual Art E | Visual Art I | Media Arts | Design | Graphic Design Media |
| Year 10 Year-long Courses | Drama | Dance | | Cert II Music | Music in Focus | Visual Art E | Visual Art I | Media Arts | Design | Graphic Design Media |
| Years 11/12 Courses of Study | Cert II Live Production Cert II Dance | | | Music - ATAR Cert III Music | | Design ATAR Media Production & Analysis ATAR Visual Art ATAR Design (Graphics) General Media Production & Analysis General Visual Art General Cert. III in Screen & Media | | | | |

Performing Arts

DRAMA (LIVE PERFORMANCE)

SEMESTER COST: \$20.00

This introductory course allows students to explore basic skills, techniques and processes involved in various aspects of Drama. Students are introduced to narrative, voice, movement, performance and staging elements through practical exercises in a creative and safe environment. Students also explore scripts and device performance in the genres of mime and improvisation that will be performed in class, at showcases, performing arts festivals or in other parts of the school's performance program.

DANCE

SEMESTER COST \$20.00

This introductory course allows students to explore basic skills, techniques and processes involved in various aspects of Dance. Students are introduced to multiple elements of 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 showcases, performing arts festivals or other parts of the school's performance program.

PERFORMING ARTS PRODUCTION

SEMESTER COST \$20.00

In this course, students will explore and learn about the technical elements of live production, including sound, lighting, staging, production roles, and event management in the performing arts. This course introduces students to the creative industries and can lead to Certificate II & III Arts courses in senior school.

MUSIC APPRECIATION

SEMESTER COST \$20.00

This introductory course teaches students basic musical concepts and techniques and improves students' general musicianship. They will participate in activities that develop their understanding of musical elements, style and genre, musical instruments and performance. Students are also introduced to practical skills and processes in performing, recording and producing music. They learn to compose and create music using a wide variety of available technologies as well as traditional musical instruments.



Visual Arts

VISUAL ART (EXPLORATIONS)

SEMESTER COST \$50.00

With a focus on explorations, this course introduces students to the elements and principles of Visual Art. Students complete short activities that investigate a variety of art techniques and media. This develops skills and techniques in drawing, painting, ceramics and print media. It also develops the ability to use art language as they explore and respond to artworks with a critical eye.

MEDIA ARTS

SEMESTER COST \$20.00

This course introduces students to some of the basic ideas, concepts and skills in the broad discipline that is the study of Media Arts. 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 collaboratively to create their own media works, which may include audiovisual media work, static or print media work, interactive media work, or animated media work. They are also introduced to current media production technologies and industry software.

DESIGN

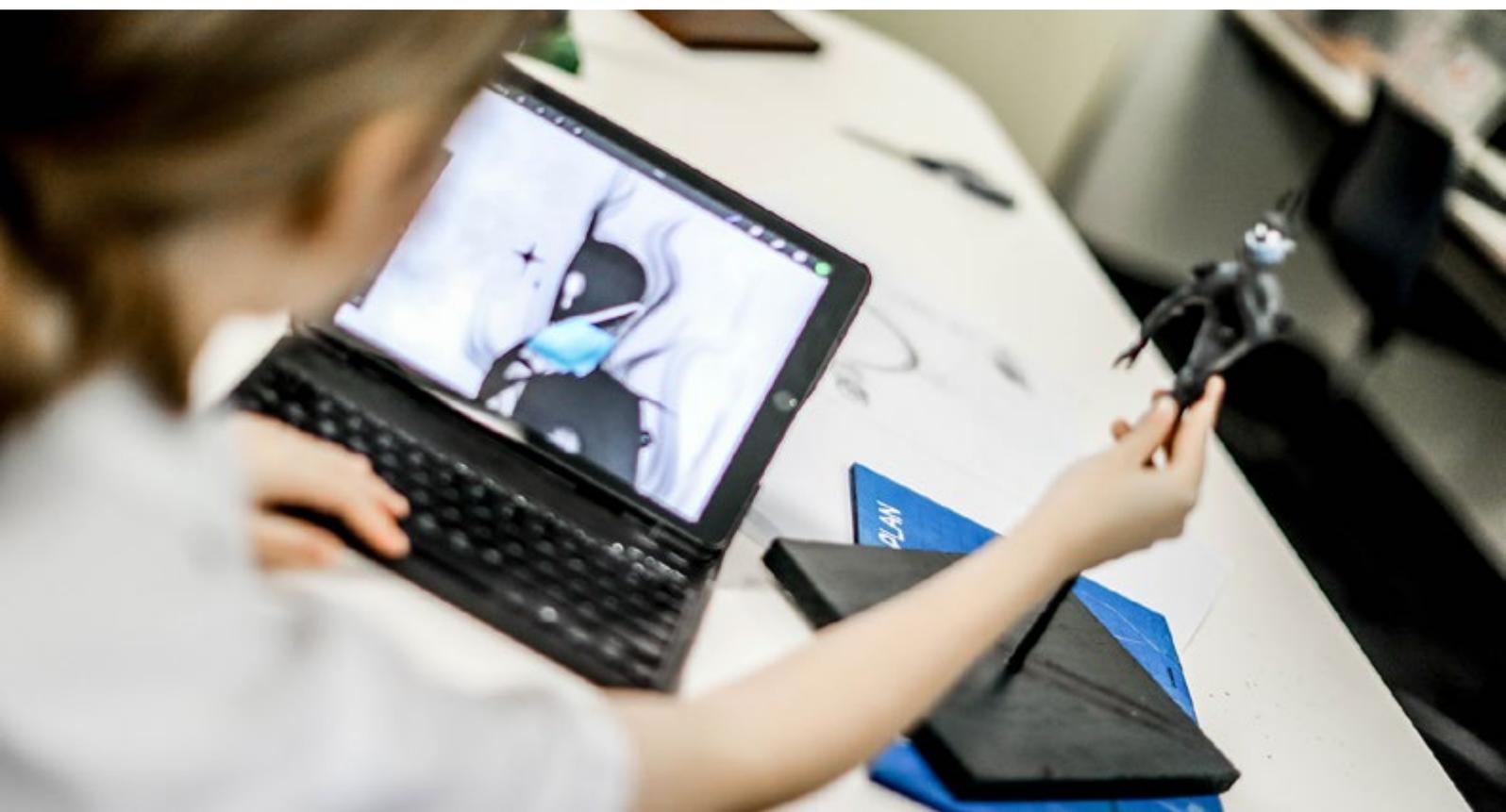
SEMESTER COST \$20.00

This course introduces students to some basic ideas, concepts and skills in the broad discipline of Design. Students view, deconstruct and respond to different Design examples and learn essential language and terminology. They also learn to communicate their ideas to an intended audience. Students do this using a variety of printmaking and photographic techniques to develop their skills in design, illustration, photography, and industry-standard software.

VISUAL ART (INSPIRATIONS)

SEMESTER COST \$50.00

With a focus on Inspirations, this course introduces students to the elements and principles of Visual Art. Students complete short activities that explore a variety of art techniques and media. This develops students' skills and techniques in drawing, painting, ceramics and print media. It also develops their ability to use art language as they explore and respond to artworks with a critical eye.



ENGLISH

ENGLISH
ENGLISH GIFTED AND TALENTED

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

Students will be completing the Year 7 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 coursework, students will study various text types. They will also be expected to demonstrate mastery of a range of writing genres as per the WA Curriculum.

A significant feature of the Year 7 course will be the NAPLAN testing conducted at the end of Term 1. These national tests in reading, writing, spelling and language conventions allow parents, students and teachers to measure student progress against national benchmarks. Although they are only one aspect of monitoring student progress, they are important to your child's school calendar. As a result, students will be taught to study and prepare for NAPLAN tests and encouraged to develop strategies for working in a limited time frame.

ENGLISH (ESL)

YEAR COST: \$25.00

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

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

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

Pathways

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

HEALTH AND PHYSICAL EDUCATION

Health and Physical Education Learning Area outcomes are linked to the progressive development of a healthy, active lifestyle for students. Students progress throughout their schooling to achieve higher levels of skills and knowledge about influences that enable the attainment of healthy, active lifestyles. Students utilise time in the Health and Physical Education Learning Area to develop self-management skills based on informed decision-making.

Central to the ongoing education of each student is the development of interpersonal skills for establishing and maintaining effective relationships in life. Outcomes linked with the Health and Physical Education Learning Area are predominantly addressed through learning in such areas as Health Education, Physical Education, Outdoor Education, Sport and Dance

Pathways

| Year | Compulsory | Physical Education Selection | | | | Specialist Program |
|-------|-----------------------------------|-------------------------------------|------------|--------------------------------------|--------------------------------------|---|
| 7 | Health Education | Physical Education | | Advanced Athletics, Swimming & Sport | | Netball |
| 8 | Health Education | Physical Education | | Advanced Athletics, Swimming & Sport | | Netball |
| 9 | Health Education | Physical Education | | Advanced Athletics, Swimming & Sport | | Netball |
| 10 | Health Education | Physical Education | Recreation | Outdoor Education | Advanced Athletics, Swimming & Sport | Netball |
| 11/12 | Health Education ATAR and General | Physical Education ATAR and General | | Outdoor Education General | Certificate II Sport Coaching | Certificate II Sport Coaching (Specialised Netball Pathway) |



HEALTH EDUCATION

YEAR COST: \$16.00

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

PHYSICAL EDUCATION

YEAR COST: \$21.00

Linked with the Health Education component will be physical activity electives that will allow students to develop outcomes in swimming, lifesaving, hockey, touch, football, athletics, netball, badminton and cricket. These sports will engage students in skill development and involve them in cooperative and strategic games. Team groupings should allow students to demonstrate the full potential of skills and practise and acquire higher movement skills and strategies..

ADVANCED ATHLETICS, SWIMMING AND SPORT

YEAR COST: \$50.00

(Note: students who select this subject will still participate in selected team-based sporting activities from the mainstream PE program to enhance their fitness, physical skills and teamwork skills).

Students may elect to participate in this class instead of the mainstream Physical Education class. This option is provided for students who aim to become members of our coveted Inter-school Athletics team and/or our Inter-school Swimming Team and our Inter-school Sporting teams. Students who select this subject should be interested in improving their skills and ability in athletics and swimming to promote high-level performance in House and Inter-school Athletics and Swimming Carnivals. Students who select this subject will enjoy various fun and engaging skill and fitness-based activities to improve fitness, technique and conditioning for competition.

Some of the activities in this subject include:

- Specific event training and technique development in swimming and athletics
- Mini-biathlon & mini-triathlons
- Group fitness sessions/classes and circuits
- Cycling & selected team sports from the Year 7 mainstream PE program
- Aqua aerobics, water polo and other pool activities

(Note: If insufficient students select this subject, students will participate in the normal Year 7 mainstream PE program instead).

HUMANITIES AND SOCIAL SCIENCES

HUMANITIES AND SOCIAL SCIENCE

YEAR COST: \$25.00

In Year 7, Humanities and Social Sciences (HASS) students undertake several Western Australian curriculum subjects. HASS will teach your child the transferrable skills necessary to navigate changing circumstances in contemporary society.

In History, students will learn about key historical concepts, including sources, evidence, continuity and change, cause and effect, significance, perspectives, empathy, and contestability. They explore the Ancient World, focusing on an in-depth study of Ancient Greece. Skills developed include examining primary and secondary sources, identifying various perspectives and examining how these different perspectives help people learn about specific historical periods.

In Geography, students develop an awareness of important geographical concepts such as place, space, environment, interconnection, sustainability, scale and change. These high-level concepts enable students to identify a question, guide an investigation, organise information, suggest an explanation and assist in developing decision-making skills. Students will learn skills such as data analysis which will help them enhance their knowledge and understanding. "Water in the World" will examine the causes of water scarcity and strategies to overcome it in Australia and the world. In "Place and Liveability", we investigate the local area to understand the factors influencing people's decisions about where they live. Students will also attend an excursion to Mundaring Weir to explore the importance of maintaining a reliable water supply as part of the Water in the World topic

Civics and Citizenship develops an understanding of the creation and implementation of the Australian Constitution. Students will learn how the Constitution divides Australia's decision-making processes and powers. They will gain insights into our Federal Parliament and the practical application of laws in Australian society, focusing on the presumption of innocence, burden of proof and the right to a fair trial.

Economics and Business will introduce students to how they satisfy their needs and wants. Conducting investigations into the characteristics of an entrepreneur delights students as they discover the importance of entrepreneurial abilities in developing a successful business venture. Students will finish this unit by discussing different work choices people can choose from to earn an income and become active members of the Australian economy.

Humanities is a fun and interactive subject that combines all learning areas and helps students develop a lifelong love of exploring their world. In Year 7, students will have the opportunity to be involved in some exciting excursions to allow students to apply the knowledge they have gained in the classroom to the real world.

Pathways

| | | | | | | | | |
|-----------------|---|-------------------|-------------------|---------------------------|--------------------|-----------------------------------|--|-----------------------|
| Years 7 to10 | Semester 1 & 2 HASS - four hours per week | | | | | | | |
| Years 11/12 | Accounting & Finance ATAR | Economics ATAR | Geography ATAR | Modern History ATAR | Psychology ATAR | Career & Enterprise General | Certificate II in Work Skills General | Psychology General |

LANGUAGES

“A different language is a different vision of life”

Italian and Chinese are offered to students at Melville SHS. In Year 7, students will select the language of their choice – no previous language experience is needed to access these courses.

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 Languages as compulsory in Years 7 and 8. Knowing a language sets you apart from everyone else and gives you that edge in employment opportunities, travel experiences, and general communication. Languages empower!

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

Languages also make us think about the way we learn and memorise facts and information, which we can apply to any other learning area. Learning a language provides excellent opportunities for those intending to pursue a career in the defence forces, hospitality, tourism, fashion, education and government agencies among other sectors. Both Italian and Chinese (Mandarin) are taught as second language courses, which are intended for students where the language on offer is studied as a second language course and for whom there is no prior linguistic advantage. Former study in one of the two languages on offer at a primary school does not exclude a student from enrolling in the same language in Year 7.

A student with a background in one of the two languages (Italian and Chinese) should discuss their choice of language with the Teacher in Charge of the Language Department at the point of enrolment. It is advised that the student study another language if they have a background in one of the two languages on offer. A student will not gain educational benefits at the beginning level of the secondary language course. Also, the student cannot continue with the second language course at the ATAR level, as WA has strict eligibility requirements for differentiated ATAR language courses.

ITALIAN

YEAR COST: \$20.00

The Year 7 focus is ‘Tutto su di me’ (All about me). It introduces students to the Italian language and culture from a personal perspective, enabling them to share information about personal identity, everyday life, and popular culture. Students communicate in Italian to exchange information about themselves, family and friends, and interests. They engage in individual and collaborative tasks that involve making arrangements, inviting, planning, deciding and responding. Students begin to understand what it means to be Italian and compare their lives to those of others in Italian-speaking communities.

This course introduces students to a taste of Italy and the Italian language. Students identify the topic, gist and specific points of information from texts related to aspects of their personal and social worlds, convey the information and ideas and use them in new ways.

Students become familiar with the Italian language systems when encountering simple spoken and written texts. They develop an awareness of features of the Italian sound system by distinguishing and reproducing in familiar contexts the sounds of Italian, vowel combinations and differences in tone and rhythm between statements, questions, exclamations, requests and commands.

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

CHINESE

YEAR COST: \$20.00

The Year 7 focus is ALL ABOUT ME. It introduces students to the Chinese language and culture personally, enabling them to share information about personal identity and aspects of everyday life. Students interact with peers to exchange information about themselves. They become familiar with the Chinese language system when encountering simple spoken and written texts. They use features of the Chinese sound system to discriminate the use of tones, rhythm and sound flow in interactions and use Pinyin to support learning spoken language. Students become familiar with the Chinese writing system, focusing on the structure and basic components that feature in characters.

The students will have the opportunity to attend a variety of incursions and excursions, as well as to sample traditional Chinese food and be immersed in Chinese culture.

Pathways

| | Italian Language | Chinese Language |
|---------------|---|---|
| Years 7 to 10 | Italian | Chinese |
| Years 11/12 | Italian Second Language ATAR Italian Second Language General | Chinese Second Language ATAR Chinese Background Language ATAR Chinese First Language ATAR |



MATHEMATICS

At Melville SHS, we constantly look to the future and the skills our students need. We are the M in STEM and play a significant role in all areas of study and careers through the development of skilled, logical thinkers.

Mathematics is a subject to explore and enjoy. Our team of qualified and enthusiastic educators work towards assisting students in achieving the success they are capable of and deserve. Our emphasis on logical thinking and problem-solving, reflecting the requirements of The Western Australian Curriculum, aims to provide opportunities for skill development and understanding of applications of mathematical techniques. Numero has been incorporated into our Year 7 Mathematics Program. It assists in improving thought and confidence in the classroom.

Our Year 7 students complete a standard course and common assessment tasks throughout the year. The Gifted and Talented and Academic Extension classes explore further concepts and delve deeper into topics of interest

MATHEMATICS

YEAR COST: \$24.00

Year 7 – Mainstream

Students use ideas about numbers, algebra, measurement, geometry, statistics, probability, and mathematical ways of representing patterns and relationships to describe, interpret, and reason about their social and physical world. Mathematics is vital in developing students' numeracy and assists learning across the curriculum. These are mixed-ability classes.

Year 7 – Academic Extension Course

Students in our Academic Extension Course will complete all of the mainstream coursework and participate in some extension work. Students apply to be part of this course, and the results determine the classes from testing conducted when the students are in Year 6.

MATHEMATICS GIFTED AND TALENTED

YEAR COST: \$34.00

Year 7 – Gifted and Talented

Students also complete the mainstream course but are exposed to problems and activities requiring higher-level thinking. Our Gifted and Talented students must compete in the Australian Mathematics Competition each year. As they often complete the coursework quickly, enrichment tasks form part of their weekly routine in Mathematics.

Assessment

Students complete common assessment tasks throughout the year. They are assigned a NAPLAN-style test at the beginning and end of the year. Students will also complete an examination in Term 4 based on the entire year's work.

| | | | | |
|-----------------|--|------------------------|---------------------------|-------------------------------------|
| Year 7 to 10 | Semesters 1 and 2 four hours of work per week | | | |
| Year 11/12 | Mathematics Applications | Mathematics Methods | Mathematics Specialist | Mathematics Essential General |

High-achieving students may be allowed to study Methods and Specialist.

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

SCIENCE

SCIENCE

YEAR COST: \$34.00

In Year 7, all students study Science for four hours per week. They cover all four major branches of Science, including Physics, Chemistry, Biology and Earth Sciences, as well as science laboratory and investigative skills. In Year 7, students will cover the following outcomes:

| | |
|----------|------------------------|
| 5 weeks | Working as a scientist |
| 5 weeks | Chemistry |
| 10 weeks | Biology |
| 10 weeks | Earth sciences |
| 10 weeks | Physics |

Science Inquiry is taught in context throughout the year.

Pathways

| | | | | | |
|------------------|-----------------|-------------------|-----------------|-----------------------|--------------------------|
| Years 7 to 10 | Science | | | | |
| Years 11/12 | Physics ATAR | Chemistry ATAR | Biology ATAR | Human Biology ATAR | Human Biology General |



TECHNOLOGIES

In an increasingly technological and complex world, developing knowledge and skills to analyse and creatively respond to design and/or digital challenges using real-world technologies is essential. Society needs enterprising students who can make wise decisions about developing and using technologies, create solutions to complex challenges and contribute to sustainable living patterns. Technologies can be critical in transforming, restoring and sustaining societies and natural, managed and constructed environments.

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

- Design and Technologies (DAT) – In which students learn in the contexts of Materials Design, Materials Engineering, 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 Years 7 and 8, students must undertake studies in at least one Design & Technologies and one Digital Technologies course each year. Students can select in Years 9 and 10 based on personal interests and aspirations.

Pathways

| Contexts | Design And Technologies | | | Digital Technologies | | Specialist Program |
|---------------------------|---|-----------------------------------|---|-----------------------------------|---|--------------------|
| Year 7 Semester Courses | Materials Design Materials Engineering | Food Awareness | Textiles Essentials | Digital Engineering | Digital Game Design | Aviation |
| Year 8 Semester Courses | Materials Design Materials Engineering | Fabulous Foods | Creative Textiles | Digital Engineering Prototyping | Digital Technologies | Aviation |
| Year 9 Semester Courses | Materials Design Materials Engineering | Food for Health | Fashion and Textile Design | Engineering with CAD Fundamentals | Creative Digital Design | Aviation |
| Year 10 Year-long Courses | Materials Design Materials Engineering | Food Technology | Clothing and Textile Design Childcare Essentials | Engineering with CAD Applications | Advanced Digital Design | Aviation |
| Year 11/12 | Materials Design & Tech – Wood General Materials Design & Tech – Metal General Building & Construction General Certificate II in Engineering | Food Science & Technology General | Children, Family & the Community General | Certificate II Engineering | Applied Information Technology ATAR Applied Information Technology General | Aviation General |

Design & Technologies

MATERIALS DESIGN

SEMESTER COST \$60.00

In Materials Design, students are introduced to working with various materials, including timbers, plastics and metals. Students will undertake small projects using basic hand and power tools and be exposed to computer-aided machining. They will be introduced to the technology process and apply it to their designs to make them unique.

MATERIALS ENGINEERING

SEMESTER COST \$60.00

In Materials Engineering, students are introduced to working with various materials, including timbers, plastics and metals. Students will learn about material properties through a range of exciting activities. They will make a range of small projects using basic hand and power tools and be exposed to computer-aided machining.

FOOD AWARENESS

SEMESTER COST \$60.00

Food Awareness allows students to develop the knowledge and skills to prepare quick and nutritious meals. This course teaches students basic cookery skills essential in everyday life for good health and well-being. They will experience new flavours by producing a range of delicious recipes over the semester. Students will also learn about healthy eating habits, the properties of food, nutritional value, and food sustainability

TEXTILES ESSENTIALS

SEMESTER COST \$60.00

This course introduces students to the basic knowledge and processes of designing and constructing textile and craft items. It allows students the opportunity to design and produce items that are practical and sustainable. Students are encouraged to use and express their creativity in all their textile projects.

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

Digital Technologies

DIGITAL ENGINEERING

SEMESTER COST \$15.00

In this course, students will be introduced to 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 learn the processes involved in digital engineering through structural and sustainable design, collaborative problem-solving and the creation of physical engineering solutions.

DIGITAL GAME DESIGN

SEMESTER COST \$15.00

In this course, students will learn skills to use software, including the Microsoft Office Suite and email, assisting in their everyday school work.

Students will also learn about digital systems, including various types of networks, online security requirements and the concept of being a socially interactive, positive digital citizen. Students will also acquire problem-solving skills by deconstructing issues, developing apps or games using text-based programming (Python) and using various industry-based computer graphic software.