

YEAR 7
SUBJECT 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.





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

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

It is a requirement of the Western Australian Department of Education that breadth of course is covered by all students in Years 7 and 8. They must complete one Performing Arts, one Visual Arts, one Digital Technologies and one Design and Technologies class in both Years 7 and 8.

Hours for each course in a week are as follows:

Hours	Course	Details	Specialist/Programs#
4	English		G&T* or AEC**
4	Humanities & Social Sciences		G&T or AEC
4	Science		G&T or AEC
4	Mathematics		G&T or AEC
1	Chinese or Italian	CHOOSE one	
2	Phys Ed		or Netball
2	Health		
The Arts:			
2	Visual Arts	eg. Media, Graphic Design, Visual Art	or Graphic Design Media
	Performing Arts	eg. Dance, Drama, Media Performance, Music Appreciation	or Music in Focus
Technologies:			
2	Design and Technologies	eg. Woodwork, Mixed Materials & Technologies, Food & Nutrition, Textiles	or Aviation
	Digital Technology	eg. Digital Engineering, Digital Technologies	

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

*Gifted and Talented program - Centrally selected

**Academic Extension Course - School based academic extension classes

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.

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

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 SHS, 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. 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.

Students apply and are selected for Gifted and Talented programs through a central selection process. There are top up testing opportunities available in Year 8 depending on availability.

For More Information Contact

Gifted and Talented Coordinator: Jamie Pearce jamie.pearce@education.wa.edu.au



ACADEMIC EXTENSION COURSE (AEC) SCHOOL BASED PROGRAM

The Melville SHS AEC program provides students with a differentiated curriculum where students' needs are catered for by acknowledging various learning styles and rates of learning. Students are involved in developing higher order thinking strategies, problem solving skills, creative and divergent thinking and are encouraged to take more responsibility for their own learning. Competitions, workshops, excursions and rich tasks based on a thematic approach are 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 in Year 8 the program is divided into two areas according to results in Year 7:

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

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:

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

The aim of the identification program is to include rather than exclude. Students are selected through a school run process 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

AVIATION

Semester Cost: \$52.00

Semester 1: 7AV71

The course is based at space travel, transport in space, rocket design and function. An introduction to basic aerodynamics of flight is also covered which is amalgamated with flight lessons in the schools flight simulator. This course is 2 hours per week over the year. Program covers areas such as:

- Space Race
- Mans' Journey into Space
- Hazards of Space Travel
- Living in a space station
- Flight lessons using the flight simulator
- Basic aerodynamics
- Earth in space
- V Space aircraft
- Rockets

Semester 2: 7AVN72

- Future of space travel
- Unusual planes
- Breaking records in flight
- Unmanned flight
- Accidents in space
- Rocket design
- Future flight
- Supersonic flight
- Robots in space
- Flight lessons using the flight simulator





GRAPHIC DESIGN MEDIA

APPROVED SPECIALIST PROGRAM

YEAR 7 (1GDM7)

Year Cost: \$130.00 plus book list 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 structure of the course assumes continuity in that students will consolidate and build on their skills from year to 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 master-class workshops. These enable our students to work with both industry and university professionals in the areas of Design, Media and Technology and showcase the career pathways available to students interested in these creative industries.

After Hours

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

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

Entry Requirements/Pre-requisites

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

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

Support

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

Need more info? Contact

Teacher-in-Charge:

Mr Sam Cavallaro

sam.cavallaro@education.wa.edu.au

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



NETBALL APPROVED SPECIALIST PROGRAM

Semester Cost: \$75.00

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

Melville SHS provides students with 2 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?

Outcomes anticipated are as follows:

Year 7	Develop a Diamond Program Rules of the game
Year 8	Introduction to Umpiring Role modelling at primary schools
Year 9	Netball Australia Foundation Umpiring Umpiring primary school tournaments
Year 10	Netball Australia Foundation Coaching course Phys. Ed. Studies Course introduction Ability to coach, manage and umpire games (Years 10-12)
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.

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

For More Information Contact

Netball Teacher In Charge: Ms Taryn Smith taryn.smith2@education.wa.edu.au

Contact Netball Specialist Teacher in Charge on 6274 1300



MUSIC IN FOCUS

SCHOOL BASED PROGRAM

YEAR 7 (1MU7)

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

Core Curriculum (2hrs per week in class)

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

Co-curriculum

Instrumental Music School Services (IMSS) provide lessons free of charge at Melville Senior High School to students selected for the Music in Focus Program or who are continuing lessons from Primary School. 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 7. Special circumstances and transferees from similar high/primary school programs may be given opportunity 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 students' program provides opportunities for the extension and practical application of classroom learning.

It is also a condition of enrolment in the Music in Focus (MiF) program that all students join the Vocal Ensemble for 1 hour per week and 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

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 6-10)
- Senior Concert Band (Years 10-12)
- Junior Vocal Ensemble (Year 7s)
- 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 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.

Acting Teacher-in-Charge:

Ms Ana Milas

ana.milas@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

LEARNING AREA

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 contexts:

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

The table below reflects the multitude of Arts courses on offer in: Dance, Design, Drama, Media, Music and Visual Art. 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 per year. In Years 9 and 10, students select based on personal interest and aspiration.

Contexts	PERFORMING ARTS					VISUAL ARTS				
	OPEN COURSES				SPECIALIST Select Entry	OPEN COURSES				SPECIALIST Select Entry
YEARS 7-8 Semester Courses	Dance 1PADR7	Drama 1PADA7	Media Perf 1PAME7	Music App. 1MA7	Music in Focus 1MU7	Visual Art 1 1ARP7	Visual Art 2 1ME7	Media Arts 1ME7	Design 1DES7	Graphic Design Media 1ARC7
YEAR 9 Semester Courses	Dance	Drama		Music App.	Music in Focus	Visual Art 1	Visual Art 2	Media Arts	Design	Graphic Design Media
YEAR 10 Year long Courses	Dance	Drama		Cert II in Music Industry	Music in Focus	Visual Art 1	Visual Art 2	Media Arts	Design	Graphic Design Media
YEARS 11/12 Courses of study	Drama - ATAR Cert II Live Production Cert II Dance			Music - ATAR Cert III Music Industry		Visual Art - ATAR Cert II in Visual Art Visual Arts - General Cert II Creative Industries Film & Design Cert III Screen & Media ATAR Design /Graphic Design - General ATAR Media Production & Analysis - General				

Whilst an advantage, Senior School courses do not require previous experience in Middle School. However, a 'C' grade or higher in Year 10 English is recommended for all classes.

Performing Arts (PA)

1PADR7 - Drama (Live Performance)

Semester Cost: \$20.00

This introductory course gives students 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 devise performance in the genres of Mime and Improvisation that will be performed in class, at Variety Nights, Performing Arts festivals or in other parts of the school's performance program.

1PADA7 - Dance

Semester Cost \$20.00

This introductory course gives students opportunities to explore basic skills, techniques and processes involved in various aspects of Dance. Students are introduced to various 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 Variety Nights, Performing Arts festivals or in other parts of the school's performance program.

1PAME7 - Media Performance

Semester Cost \$20.00

This course introduces students to the use of voice, movement and presentation, performing specifically for audio-visual media. Students will view, analyse and respond to examples of performance in media works. Students work independently and collaboratively to develop their performance and technical skills which include the ability to build characters and personas and understand on-set technical elements as they create and perform their own media works using current media production technologies and software.

1MA7 - Music Appreciation

Semester Cost \$40.00

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, 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)

1ARP7 - Visual Art 1

Semester Cost \$50.00

Elements and principles of Visual Art. Students complete short activities that investigate a variety of art techniques and media. This develops students' skills and techniques in areas including drawing, painting, ceramics and print media. It also develops their ability to use art language as they investigate and respond to artworks with a critical eye.

1ME7 - Media Arts

Semester Cost \$30.00

This course introduces students to some of the basic ideas, concepts and skills in the broad discipline that is Media Studies. 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, photographic works, advertisements, or animations. They are also introduced to and use current media production technologies and industry standard software.

1DES7 - Design (Graphics & Photography)

Semester Cost \$40.00

This course introduces students to some 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 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 and photography.

1ARC7 - Visual Art 2

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 explore a variety of art techniques and media. This develops students' skills and techniques in areas including 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 (Gifted and Talented)

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

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 course work students will study a range of text types including novels, short stories, feature films, autobiographies, non-fiction texts 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 course will be the preparation for NAPLAN testing conducted in the first semester of Year 7. 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.

ENGLISH AS A SECOND LANGUAGE

Semester Cost: \$22.00

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

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

In Years 8 and 9, ESL teachers focus on improving students’ Standard Australian English skills in preparation for NAPLAN testing. Grades achieved by students are based on each student’s progress against the EAL/D progress maps in the four language modes: speaking, listening, reading/viewing and writing. All lower school ESL programs are designed to effectively prepare students for achieving their WACE through participation in English as an Additional Language (EAL/D).

PATHWAYS

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

HEALTH AND PHYSICAL EDUCATION

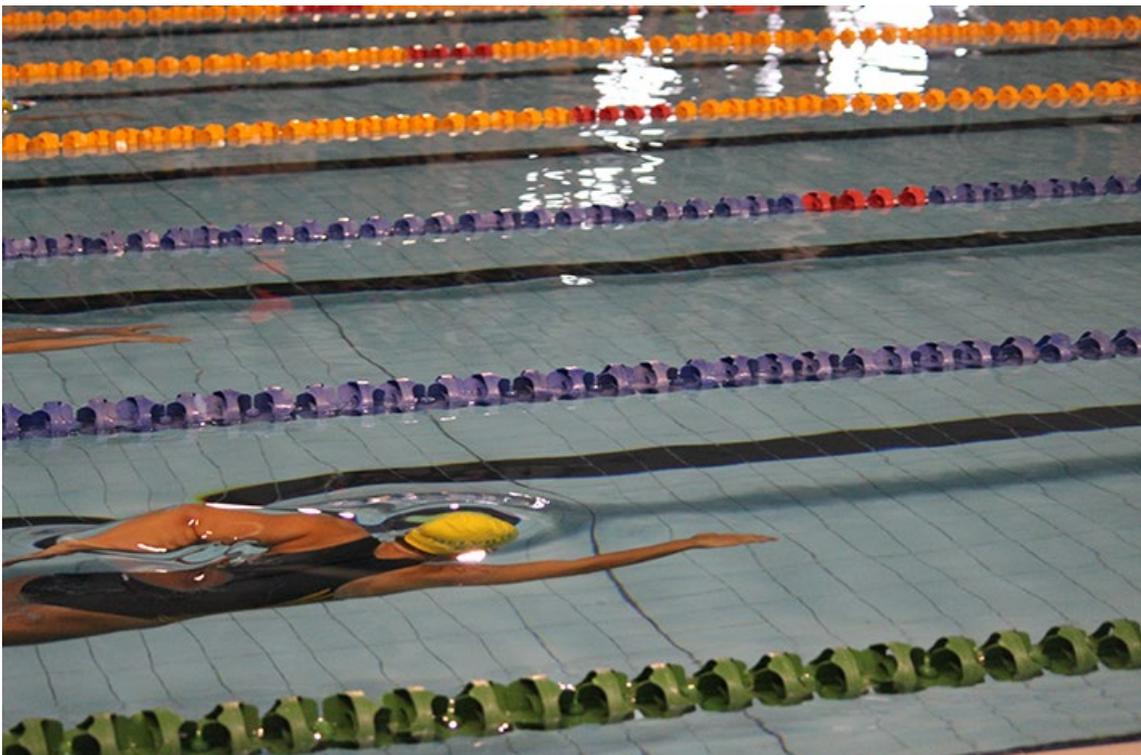
LEARNING AREA



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, 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.

Pathways

YEAR 7- 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 EDUCATION 3HE7 (Compulsory)

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 3PE7

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 skills and practise and acquire higher levels of movement skills and strategies.

ADVANCED ATHLETICS, SWIMMING AND SPORT 3AS7

Semester Cost: \$25.00

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

Students may elect to participate in this class instead of the mainstream Physical Education class. This is a new PE option provided for students who aim to become members of our coveted A Division Inter-school Athletics team and/or our Inter-school Swimming Team and our Inter-school Sporting teams. Students who select this subject should have a keen interest 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 a range of fun and engaging skill and fitness-based activities aimed at improving 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
- Personal fitness programming (and use of the Fitness Centre)
- Cycling & selected team sports from the Year 7 mainstream PE program
- Aqua aerobics, water polo and other pool activities

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



HUMANITIES AND SOCIAL SCIENCES

LEARNING AREA



Humanities and Social Science

Semester Cost: \$17.00

In Year 7 Humanities and Social Sciences (HASS) students will be offered a number of subjects under the topics of the Western Australian Curriculum. In History students will be learning about the role of history in humanity and how people can influence and interpret history. They will then be exploring the Ancient World, looking in depth at Ancient Greece. Some of the skills students will learn are how to view primary and secondary sources from a variety of perspectives and how these sources can help people learn about specific time periods in history.

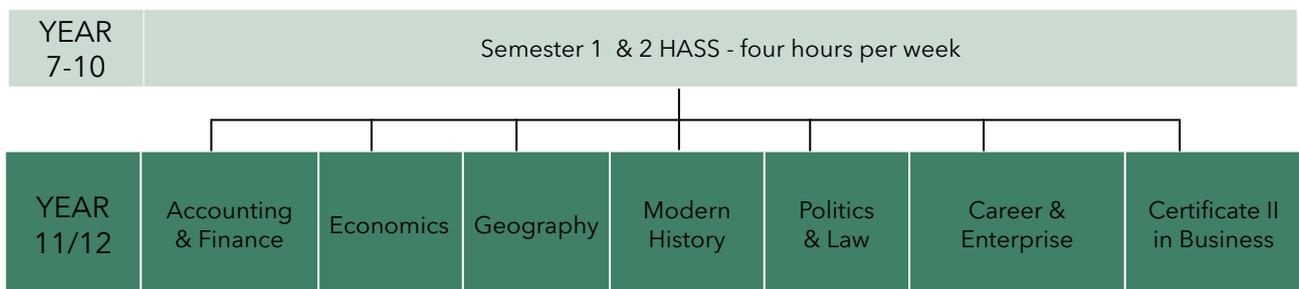
Students will also be studying Geography and will gain an understanding of the world around them and they will learn skills such as mapping which will help them enhance their knowledge and understanding. Students will then be looking at the topic "Water". They will learn where water can be found, what it is used for, and how to conserve water to last into the future. Students will also look at "Place and Liveability". They will explore why people choose to live in certain areas and what makes some places more liveable than others. In previous years, Year 7 students attended an excursion to Mundaring Weir to explore Perth's water supply.

Year 7's also begin learning Civics and Citizenship where we will develop an understanding of the creation and implementation of the Australian Constitution. Students will learn how the Constitution divides the decision making processes and powers in Australia. Students will then look at the practical application of laws in Australian society, focussing on the presumption of innocence, burden of proof and the right to a fair trial.

Students will be introduced to Economics and Business and they will investigate how they as individuals and informed citizens obtain their needs and wants. We will investigate the characteristics of an entrepreneur and we will discover our entrepreneurial abilities by creating our own products from recycled materials and developing advertising plans. We finish the unit by discussing different types of work that people can do to earn money and be active members of the Australian economy. Humanities is a fun and interactive subject that combines all learning areas and helps students develop a life long love of exploring the work around them.

The Humanities and Social Sciences outcomes covered in Years 7, 8, 9 and 10 will lead to entry into the following senior courses of study listed above. 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 LEARNING AREA

There are two languages offered to students at Melville SHS, Italian and Chinese. In Year 7, students will study a language of their choice. 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. 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 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 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 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, Subtitler, Voice over, Terminologist, Transcriptionist, Translator, News reader and Broadcaster, in Tourism and Hospitality fields or in any field that requires the application of people skills and language.

ITALIAN 4IT71 or 4IT72

Semester Cost: \$15.00

The Year 7 Italian Program theme is 'Facciamo Amicizia.' This program will develop students' language skills to a level where they can communicate with an Italian speaker and exchange personal information on a basic level. Students will be presented with authentic documents that will introduce them to a new range of vocabulary and expressions. Students will also be researching Italy and the Italian influence in Australia as well as sampling some of the tantalising Italian delights. Students will also be involved in whole school activities that embrace Italian studies and their own multicultural background. This course gives students a true introduction to a taste of Italy and Italian language, including incursions/excursions.

CHINESE

Semester Cost: \$15.00

Chinese is for students with no, limited or intermediate Chinese literacy. The systems of spoken and written language in Chinese are distinct. They are also quite distinct from the English language system. 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 Year 7 focus is ALL ABOUT ME. It introduces students to the Chinese language and culture from a personal perspective, enabling them to share information related to personal identity, aspects of everyday life, and popular culture. They begin to develop an understanding of what it is to be Chinese-speaking, and compare their own lives to those of others in Chinese-speaking communities.

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.

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



MATHEMATICS

LEARNING AREA

At Melville SHS, we are constantly looking 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 and our team of qualified and enthusiastic educators, work towards assisting students in achieving the success of which they are capable 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.

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

MATHEMATICS - 5MA7

Semester Cost: \$12.00

Year 7 - Mainstream

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

Year 7 - AEC

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

MATHEMATICS 5GAT7

Semester Cost: \$17.00

Year 7 - Gifted and Talented

Students also complete the mainstream course but are exposed to problems and activities requiring higher level thinking. It is compulsory for our Gifted and Talented students to compete in the Australian Mathematics Competition each year. As they often complete the coursework in quicker time, 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.

Pathways

YEAR 7 -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

LEARNING AREA

SCIENCE 6SC7

Semester Cost: \$17.00

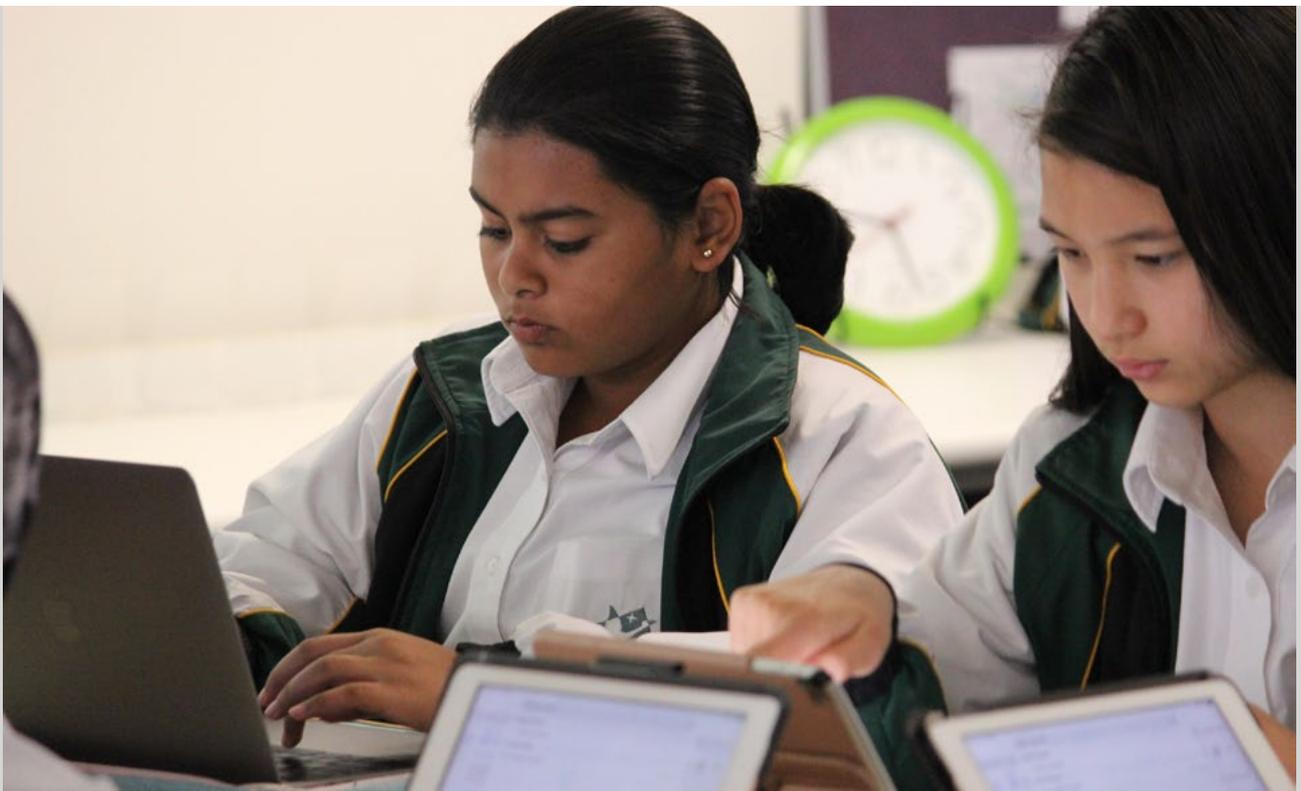
In Year 7 all students study Science for four hours per week. They cover all major concepts of science, including physics, chemistry, biology and earth sciences as well as science laboratory and investigative skills. In Year 7 students will cover the following outcomes:

- 6 weeks Working as a scientist
- 9 weeks Chemistry
- 10 weeks Biology
- 7 weeks Earth sciences
- 8 weeks Physics

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

Pathways

YEARS 7-10	Aviation (Specialist Program)	Science - Semester 1 & 2 - 4 hours per week				
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

LEARNING AREA

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 using real world technologies.

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 Years 7 and 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.

Pathways

Contexts	DESIGN & TECHNOLOGIES				DIGITAL TECHNOLOGIES	
	OPEN COURSES				OPEN COURSES	
YEAR 7 Semester Courses	Woodwork 8MDW7	Materials 8MDM7	Foods 8MDF7	Textiles 8MDT7	Digital Engineering 8DE7	Digital Technologies 8DT7
YEAR 8 -9 Semester Courses	Woodwork	Materials	Foods	Textiles	Digital Engineering	Digital Technologies
YEAR 10 Year long Courses	Woodwork	Materials	Foods	Caring for Children	Digital Engineering	Digital Technologies
Senior School Courses of study	Materials Design & Tech - Wood Design Technical Graphics - General General Building & Construction	Building & Construction	Food Science & Technology	Children, Family & the Community	Certificate II in Engineering Pathways	Applied Information Technology - ATAR Applied Information Technology - General

Design & Technologies (DAT)

8MDW7 - Woodwork

Semester 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 to develop and review 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

8MDM7 - Mixed Materials & Technologies

Semester 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 develop and review 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 enjoy a hands-on creative challenge that expands their knowledge of materials used in society.

*CAM - Computer Aided (Design &) Manufacturing

8MDF7 - Food & Nutrition

Semester 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.

This course not only involves learning to cook, it also includes new taste experiences with an emphasis on flavour, colour, texture and presentation. It also includes a introductory examination of sustainability and healthy eating habits.

8MDT7 - Textiles

Semester Cost \$60.00

The Textiles course introduces students to the basic 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 use and express their creativity in all their textiles 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)

8DE7 - Digital Engineering

Semester Cost \$20.00

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 creation of physical engineering solutions.

8DT7 - Digital Technologies

Semester Cost \$20.00

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 social interactive, positive digital citizen. Students will also acquire problem solving skills by de-constructing issues, developing apps or games using text-based programming (Python) and using various industry-based computer graphic software.