

YEAR 10
SUBJECT SELECTION
HANDBOOK 2021



MELVILLE
SENIOR HIGH SCHOOL



Governor's STEM School of the Year



BEST STEM PROGRAM
AUSTRALIAN EDUCATION AWARDS - FINALIST 2020

CONFIDENT INNOVATIVE SUCCESSFUL
An Independent Public School



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

WELCOME

This booklet outlines the academic courses available to students entering Year 10. The aim of the program that you will select is to give you a “taste” of subjects that fit your needs and/or interests and in which you will ultimately specialise through continued study in Years 11 and 12.

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

Year 10 Course Hours

LEARNING AREA		HOURS PER WEEK	
The Arts	Optional	4hrs	Choice courses for whole year
English	Compulsory	4hrs	Placement by Learning Area Teacher
Health & Physical Education	Compulsory with choice	4hrs	Choice courses for whole year
Languages	Optional	4hrs	Choice courses for whole year
Mathematics	Compulsory	4hrs	Placement by Learning Area Teacher
Science	Compulsory	4hrs	Placement by Learning Area Teacher
Humanities & Social Sciences	Compulsory	4hrs	Placement by Learning Area Teacher
Technologies	Optional	4hrs	Choice courses for whole year
START	Compulsory	1 hour	Placement by Year Coordinator

Students typically will choose one (1) elective year-long package from the Arts, Languages or Technologies.

If specialising in Music, Graphic Design Media (The Arts), Aviation (Science) or Netball (Health and Physical Education) then choices in elective areas will be limited due to the extra hours of course study needed during the school week.





SPECIALIST PROGRAMS AND COURSES

GIFTED AND TALENTED

Selective Academic Program

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

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

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

'Top-up' testing for this program is available in Years 8, 9 and 10 for entrance into the program in the following academic year. Please contact the Teacher in Charge Gifted and Talented for more information.

ACADEMIC EXTENSION COURSE

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 with take more responsibility for their own learning. Competitions, workshops, excursions and rich tasks based on a thematic approach are also undertaken throughout the year.

How is the course structured?

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

- 1) Humanities (English & HASS)
- 2) Maths & Science.

Some students demonstrate exceptional ability in all four subjects and will be placed in the humanities and maths/science areas, whilst other students may be talented in one area i.e. humanities and will be in this area for AEC

How are students identified?

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

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



AVIATION
APPROVED SPECIALIST PROGRAM

SEMESTER - 1 8AVX1

Semester Cost: \$52.00

Physics Of Flight

This topic studies the application of many of the laws and principles of physics to the flight of an aircraft.

Educational objectives covered:

- Up-thrust
- Creation of lift
- Forces on an aircraft
- Stability and simple machines
- Laws of motion
- Behaviour of gases
- Gyroscopic effect

Human Performance And Limitations

This topic examines the human element of aviation. It addresses many of the human factors which affect flight. Educational objectives covered:

- Stress
- Aviation medicine and physiology
- Visual perception
- Drugs
- Pilot fatigue
- Ergonomics of cockpit design

SEMESTER 2 - 8AVX2

Semester Cost: \$52.00

Communications In Aviation

This topic prepares the students for the use of radio in flying. It gives the student correct procedural language for communicating in the flight environment. Educational objectives covered:

- Radio calls in and around Jandakot airport
- Radio calls in a radar controlled environment
- Development and application of radio navigation aids.
- Behaviour of radio waves

Flying The Aeroplane

This topic traces the role of the pilot through various stages of flight in fixed and rotary winged aircraft and gliders. Educational objectives covered:

- Aircraft performance and operation
- All phases of flight including taxiing, take-off, climbing, descending, manoeuvring, landing.

Entry to the Aviation Course is only available to those students who have been selected by the testing and /or process.

Contact

Teacher in Charge: Mr Randall Brink on 6274 1300
Head of Learning Area: Mr Kim Rosenthal on 6274 1300

randall.brink@education.wa.edu.au
kim.rosenthal@education.wa.edu.au

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



GRAPHIC DESIGN MEDIA

APPROVED SPECIALIST PROGRAM

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

Year 10 (1GDMX)

Year Cost: \$130.00 plus booklist items

Core (class) Curriculum (Four hours 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



MUSIC IN FOCUS PROGRAM

SCHOOL BASED PROGRAM

Year 10 (1MUX)

Year Cost: \$160.00 + ensemble & instrumental lesson costs

Core Curriculum (Four hours per week in class)

The Music in Focus course in Year 10 provides students with the opportunity to prepare for the Year 11 and 12 ATAR Music course. Class curriculum covers topics such as: music history and theory; music for film and television; creating and composition in a musical context; and in-class band performance and rehearsal for all students. It is highly recommended that students planning to choose the ATAR Music course for Years 11 & 12 also choose the Certificate course offered in Year 10 as a complementary course.

Co-curriculum

Instrumental Music School Services provide lessons free of charge at Melville Senior High School to students selected for the Music in Focus Program who are continuing lessons from Year 9. 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 10 as usual entry points are Years 6 and 7. Students wishing to do so must meet with the Teacher in Charge of Music and get approval from IMSS. Special circumstances and transferees from similar high/primary school programs may be given opportunity to audition assuming that places are still available and wait lists are exhausted.

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

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

Extra-Curriculum

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

After Hours

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

- Instrumental practice
- Ensemble repertoire
- Set works study/other homework

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

- Classical Guitar Ensemble (Years 7-12)
- Intermediate Concert Band (Years 7-10)
- Junior Vocal Ensemble (Years 7)
- Swing Band (invitation only)
- Senior Concert Band (Years 10-12)
- Melville VOX Vocal Ensemble (voice students)

Entry Requirements/Pre-requisites

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

Support

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

For More Information Contact

Acting Teacher-in-Charge: Ms Ana Milas ana.milas@education.wa.edu.au
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 SPECIALIST PROGRAM

SPECIALIST PROGRAM

3NEX

Semester Cost: \$90.00

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

Melville Senior High School provides students with 4 lessons per week all year round. The majority of the sessions are on the court learning new skills, strategies and improving both individual and team skill levels. There are opportunities to co-operate in a team environment through use of communication activities both on the court and in the classroom, develop a higher understanding of the game, understand nutrition and develop umpiring and coaching abilities as part of the theory side of the program.

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

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

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

What are the anticipated student outcomes and achievement at various levels, e.g. 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.

For More Information Contact

Students who wish to join the specialist netball program in Year 10 should contact

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

THE ARTS

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

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

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

Arts Curriculum is divided into two distinct but related areas:

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

The table below reflects the multitude of Arts subjects on offer from all six of our contexts: Design, Visual Art, Media, Dance, Drama and Music. It represents the progression through various Arts courses into Senior School. Whilst an advantage, Senior School courses do not require previous experience in Middle School. However, a 'C' grade or higher in English is recommended for all classes.

In Year 10 students are free to undertake studies in Performing Arts and Visual Arts over the academic year. Selections should be based on personal interest and, importantly, aspiration for senior school courses.

Pathways

Contexts	PERFORMING ARTS				VISUAL ARTS				
	OPEN COURSES			SPECIALIST Select Entry	OPEN COURSES				SPECIALIST Select Entry
YEAR 10 Year long Courses	Dance 1DRX	Drama 1DAX	Cert II in Music Industry MUSV2	Music in Focus 1MUX	Visual Art 1 (2D) 1ARPX	Visual Art 2 (3D) 1ARCX	Media Arts 1MEX	Design 1DESX	Graphic Design Media 1GDMX
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.

ARTS COURSE DESCRIPTIONS

1DRX - Drama

Semester Cost \$20.00

Pre-Requisites: Nil

This year-long course allows students to extend their understanding of skills, techniques and processes of Drama. This course focuses on Drama and the study of different styles of theatre including Realism and Greek Theatre. Students will develop a deeper understanding of Actor and Design elements. Including voice, movement, costume and scenography design. Students will explore scripts, improvisation and lighting configurations.

Learning can be applied in performances in class, at Variety Nights, festivals, showcases or in other parts of the school's performance program. This course sound preparation for students aspiring to study relevant courses in year 11 and 12 or who have a desire to pursue a career in Drama and Performing Arts.

1DAX - Dance

Semester Cost \$20.00

Pre-Requisites: Nil

This year-long course allows students to extend their understanding of skills, techniques and processes of Dance. This course focuses on Dance, expanding student repertoire by refining existing technique and skill and introducing other dance genres such as jazz, contemporary, lyrical and hip-hop/Urban dance. Students will develop a deeper understanding of improvisation, choreography and technique through learning and performing routines. Students will explore elements of dance such as Body, energy, space and time.

Learning can be applied in performances in class, at Variety Nights, festivals, showcases or in other parts of the school's performance program. This course sound preparation for students aspiring to study relevant courses in year 11 and 12 or who have a desire to pursue a career in the Performing Arts.

1PAX - Performing Arts

Semester Cost \$100.00

Pre-requisites: Nil

This multidisciplinary year-long course allows students to extend their understanding of skills, techniques and processes of both Dance and Drama.

- Semester 1 focuses on Dance, expanding student repertoire by refining existing technique and introducing other dance genres such as jazz, contemporary, lyrical and hip-hop dance.
- Semester 2 focuses on Drama and the study of different styles of theatre including Realism and Greek Theatre.

Learning can be applied in performances in class, at Variety Nights, festivals, showcases or in other parts of the school's performance program.

This course sound preparation for students aspiring to study relevant courses in Years 11 and 12 or who have a desire to pursue a career in the Performing Arts.

1MUSV2 - Certificate II in Music Industry

Semester Cost \$146.00
(incl. \$26.00 Cert. issuance)

Pre-Requisites: Nil

Students completing this course receive an industry relevant, nationally accredited, qualification that at an industry entry level that also provides a pathway into the Music Certificate III in Years 11 and 12. This qualification is one year in duration, comprises 9 units of competency and is designed to be practical and engaging.

Learning is applied practically in performances, composition productions and other industry style activities at the school. It is also preferred that students undertake IMSS lessons or private instrumental tuition as part of their studies.

VISUAL ARTS (VA)

1ARPX - Visual Art 1 (2D)

Year Cost \$100.00

Pre-Requisites: Nil

In this course students explore two-dimensional media, materials, techniques and technologies, such as drawing, painting, and printing. Students also analyse art forms from different times and places, responding using visual art language about meaning, style and intent. They develop understanding of how contexts impact on the development of ideas and production of art forms in the artistic process.

Students apply their understanding of the elements and principles of art and visual art conventions to suit a chosen art style and/or art form as they complete project-based artworks where they will document the artistic process from artistic intentions to evaluations of the completed artworks. They will then present all of their work in a folio.

This course is a suitable pathway for students who wish to study General or ATAR Visual Art, or who have a desire to pursue visual art outside of school.

1ARCX - Visual Art 2 (3D)

Year Cost \$100.00

Pre-Requisites: Nil

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

Students will also analyse art forms from different times and places and provide responses using visual art language about meaning, style and intent. They will develop a greater understanding of how contexts impact on the development of ideas and production of art forms in the artistic process.

Students apply their understanding of the elements and principles of art and visual art conventions to suit a chosen art style and/or art form. They complete project-based artworks where they document the artistic process from artistic intentions to evaluations of the completed artworks. They then present all of their work in a folio.

This course is a suitable pathway for students who wish to study General or ATAR Visual Art, or who have a desire to pursue visual art outside of school.

1MEX - Media Arts

Year Cost \$100.00

Pre-Requisites: Nil

Media is an important part of our culture. It gives us entertainment and information; it tells us stories about ourselves and others. Most importantly, media is entirely about how we communicate with each other and the world around us. This course aims to prepare all students for a future in a digital and global world by providing the foundation for life-long learning about media.

This course develops complex understanding of key Media concepts and skills. Students view and respond to examples of different media works and in doing so develop an understanding of the language and terminology of Media.

Students work independently and/or collaboratively to create their own complex media works that may include short videos, documentary films, photographic works, advertisements, or animations. They also develop complex skills in using current media production technologies and industry standard production software.

This course is a suitable pathway for students with an interest in studying ATAR Media or a desire to pursue a career in Media.

1DESX - Design (Graphics & Photography)

Year Cost \$100.00

Pre-Requisites: Nil

In this course students will consolidate and apply their understanding of the elements and principles of design used in Graphics and Photography. Students will also analyse designs, both contemporary and historical, and provide responses about purpose, technique and effectiveness

Students will learn to meet brief requirements and complete project-based designs aimed at creating graphical solutions to real-life situations. They will explore design fundamentals, techniques and technologies and document their process to develop a body of work presented in a folio.

This course is a suitable pathway for students who wish to study General or ATAR Design or who have a desire to pursue a career in Graphic Design.



English

Semester Cost: \$15.00

English is a compulsory subject in Years 11 and 12 and a focus for Year 10 will be preparing students for the demands of Senior School. Students in Year 10 will read and analyse a range of text types. They will be required to demonstrate mastery of writing creatively and analytically. Students will be taught to organise their writing ideas in a logical way and develop skills to critically respond to literary, popular and visual texts.

A feature of the Year 10 course will be the end of semester examination which will make up a percentage of the course results. Students will be taught to study and prepare for English examinations and are encouraged to develop strategies for writing in a limited time frame.

The Year 10 Western Australian curriculum focuses on developing knowledge, accuracy, fluency, and confidence in speaking, reading and writing English. Attention will be given to the teaching of grammar across all the years of schooling to help students understand the functioning of language.

English As A Second Language/Dialect

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.

EAL/D is not a modified mainstream English course but rather focuses on improving oral and written language skills across a range of English texts and subject area content. In particular, EAL/D studies are designed to help students with basic aspects of English such as:

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 the English as an Additional Language (EAL/D).

Pathways

Year 10	English Mainstream	Academic Extension Course	Gifted & Talented	English as a Second Language
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Year 11&12	English General	English ATAR	Literature ATAR	EAL/D ATAR or General
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Minimum Prerequisite in Year 10	Extra requirement	Year 11	Year 12
> 65%	Teacher recommendation outstanding result in Year 10 examination	ATAR Literature	ATAR Literature
> 60%	Teacher recommendation strong result in Year 10 examination	ATAR English	ATAR English
>50%	Teacher recommendation satisfactory result in Year 10 examination	General English	General English



HEALTH & PHYSICAL EDUCATION

Health Education - 3HEX

Semester Cost: \$8.00

This is a compulsory subject which all Year 10 students engage in for two one-hour sessions per week. Acquiring essential knowledge and developing skills necessary for healthy decision-making is the underlying focus of the Year 10 Health Education program. Content includes understanding different types of relationships, sexually transmitted infections, illicit drugs and their effects on individuals, families and the wider community. As part of the program students take part in the Keys for Life pre-driver education program aimed to develop positive road user attitudes in young people. An incentive of this program is that students start the Learner's Permit application process at school and redeem a Keys for Life school certificate for their Learner's Permit when they commence their driving lessons. The Year 10 Health Education program also aims to commence the preparation of students for the Year 11 ATAR Health (Units 1 and 2) and Year 11 General Health Education (Units 1 and 2) in Senior School.

Choose one of the following:

General Physical Education - 3PEX

Semester Cost: \$11.00

The General Physical Education course builds on the knowledge and skills students have developed in year 7 to 9. Students will participate in a variety of sports including badminton, softball, beach volleyball, handball, Gaelic and social dance. The primary focus of the Year 10 program is to develop students fitness, physical skills, communication and self-management skills through a game focused approach.

Outdoor Education - 3OEX

Semester Cost: \$80.00

Students selecting this elective will develop their snorkelling, bush-walking, camping, and roping skills. The physical pursuits will be combined with education on environmental and social issues that apply to safe practice, appreciation and ethics related to using outdoor environments. The course will include field trips and will involve out of school time. This course is year long, 2 periods per week and will prepare students for Outdoor Education in senior school. **This course has a minimum swimming requirement to ensure students can participate safely and successfully in this subject.**

Soccer Program - 3SOX

Semester Cost: \$35.00

This class will be delivered by a specialist soccer coach. The program aims to develop personal and team skills through training, games and representing Melville SHS in competition. Skills and understandings will also be developed in coaching and umpiring. It is expected that students will be involved with the sport outside the school and already have a foundation level of skill development. Students will develop their knowledge of strategies, tactics and formations throughout the Year 10 Soccer Program. They may also engage in some coaching of local primary school students to further develop their communication and leadership skills and to share their knowledge with younger peers who are passionate about the game of soccer also. This program has a 'learning through game-play' focus.

Recreation - 3SPRX

Semester Cost: \$55.00

Students who select the Recreation elective will enjoy a mix of individual pursuits, social sports and recreational activities. There will be less of a competitive game-play focus in this class and rather a focus on experiencing individual and group-based recreational activities that enable students to learn new skills and expand their experiences in a range of community based recreational activities. This is a new elective and the course will include a number of the activities listed below; boccie, ten-pin bowling, lawn bowls, aqua aerobics, self defence, tennis, badminton, mountain bike riding, indoor climbing, ultimate Frisbee, personal fitness, yoga and croquet. Some activities in this subject may be dependent on and subject to, the availability of staff (and outside service providers) with the required qualifications to deliver this unit.

This program is designed for students who intend to select ATAR Physical Education Studies in Year 11 and 12 - which is part of a course pathway for students seeking university entrance following the completion of their Year 12 ATAR studies program. The focus of this program is to introduce students to the main theoretical concepts contained in the Year 11 & 12 ATAR Physical Education Studies (PES) courses and includes topics such as; biomechanics, physiology, sports psychology, components of fitness, energy systems and anatomy - as they apply to sport and the improvement of sporting performance.

The course involves a combination of theoretical and practical learning experiences. The course also aims to develop student’s higher-level physical skills, movement patterns and knowledge of strategies and tactics to enhance performance in selected sports, which is an important part of the ATAR PES courses in senior school. This course is recommended for students who have a strong interest in sport and sports science and for those students who are interested in selecting the ATAR PE Studies course for study in Year 11 and 12.

Pathways

YEAR 10	Health Education Is a compulsory component in all HPE Courses	Choose one of the Four below				Elective Sports Science	Specialist Program
		Physical Education	Recreation	Outdoor Education	Soccer		Netball

YEAR 11&12	Health Education Studies	ATAR Physical Education	Certificate II Sport Coaching	Certificate II Outdoor Education	Certificate II Sport Coaching (Specialised Netball Pathway)
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HUMANITIES & SOCIAL SCIENCES



Humanities and Social Science

Semester Cost: \$17.00

The Year 10 Humanities and Social Sciences course moves beyond Australia to the international community where students will investigate unfamiliar contexts and reflect on Australia's role in our global community. All Year 10 students will study the four major disciplines in Humanities: Geography, Economics and Business, Civics and Citizenship and History.

In Geography students will learn about environmental change and management and Geographies of Well-being. They will look at how the environment around them is changing and how they can reduce this change and the impact it has on their lives. Geographies of well-being helps students see where in the world people have their needs and wants met and where they do not. They develop an understanding of how happiness and well-being are measured and how Australia sits within these indexes.

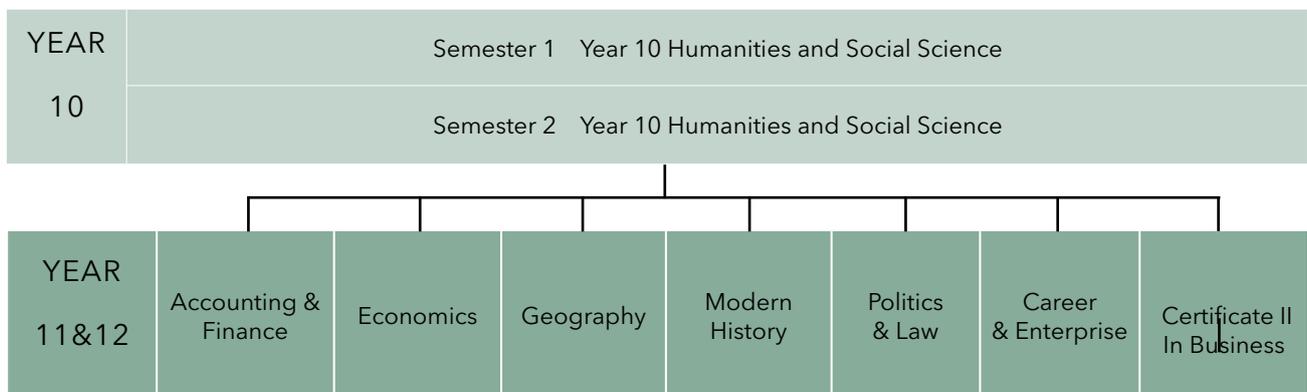
In Economics and Business Year 10 students will explore what are the indicators of economic success. Using these indicators they will compare Australia's economy with others around the world. They will look at how income is distributed around the world and how the government influences this distribution. They will then look at favourable and non-favourable economic conditions and ways businesses try and improve the economic conditions around them.

In History students will look at Australia's role in World War II and how this war impacted on Australia at the home front and the long term impacts on Australian identity. This will lead the exploration of the struggles of Australia's Aboriginal and Torres Strait Islander people to achieve basic human rights such as the right to an education and to be counted in the population census as an Australian citizen. They will develop an understanding of the ongoing struggles of Australia's first people and what is being done to reduce these problems.

In Civics and Citizenship students look at Australia's government and Australia's role as a global citizen, particularly in relation with our Asian neighbours. We discover who Australia trades with and the reasons why. We then move back to Australia and explore Australia's form of democracy and criminal influences on our democracy. We develop an understanding of Australian law and our role as citizens in the creation and implementation of these laws.

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

Pathways



LANGUAGES

	ITALIAN	CHINESE
YEAR 10	Italian Year long course	Chinese Year long Course
YEAR 11&12	Italian Second Language - General Italian Second Language ATAR	Chinese Second Language - ATAR Chinese Background Language - ATAR Chinese First Language - ATAR Chinese Second Language - General

The rise and interest in languages and the need for languages in a global context, has seen the need for the WA Curriculum to mandate that languages must be learnt at some stage in a student's educational journey. Today, knowing a language sets you apart from everyone else and gives you that edge in employment opportunities, travel experiences and general communication. Language empowers!

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

Languages also make us think about the way we learn and memorise facts and information, which we can apply to any other learning area. Learning a language also provides excellent opportunities for those intending to pursue a career in the defence forces, hospitality, tourism, fashion, as a translator, editor or proof-reader, interpreter, teacher, language and engineering or in any field that requires the application of people skills and language.

Italian

Semester Cost: \$10.00

The focus for this course is andiamo! (Travel - let's go!). Students will engage in activities associated with their own world, their personal identity, aspects of living in Italy and youth culture. They explore the ways in which learning Italian may be of benefit to them in relation to tourism and in dealing with Italian-speaking customers and colleagues in a workplace situation, and they explore the possibility of developing a language mentoring relationship with an Italian speaker in their community or abroad.

Students share information about travel, and what to consider when planning a trip. They look at Australia and specifically their local area as a destination for Italian-speaking travellers, and explore cultural exchanges/school trips to Italy. Such situations enable students to gain an understanding of what it means to live in Italy.

Through the study of a wide range of texts, students will gain insights into what it is to be a teenager in Italy as well as life in Italy. Music, TV, advertising, communication via emails, mobile phones and text messaging will be explored. This will broaden their understanding of what it is to be Italian and Italian speaking. The focus is on appropriately communicating within these contexts.

Students will also build on their developing language skills in order to share information about their space, i.e. where they spend their time and their 'free time'. They may begin with the more personal perspectives, for example home, the local neighbourhood, shopping and leisure and could continue by looking at part-time work commitments and work communications. Students will explore similar contexts in relation to Italian speaking communities. They will also explore activities and events associated with Italian communities, such as Italian sports, arts and entertainment. Students also learn more about Italy and in particular an Italian city, as well as exploring the language skills that will enable them to welcome Italians into their own country. There will also be the opportunity to be involved in the Italian Exchange program as well as incursions/excursions and proposed Italy tours.

LEARNING CONTEXTS:

There are three contexts

The Individual	The Italian-speaking Communities	The Changing World
<p>cultura pop</p> <p>parlare l'italiano (speaking Italian)</p> <p>i preparativi di un viaggio. (preparations for travel)</p>	<p>un rapporto con la comunità italiana (relationships with the Italian community)</p> <p>destinazione - Italia. (destination- Italy)</p>	<p>Problemi e la gioventù</p> <p>destinazione - Australia (destination - Australia)</p> <p>la tecnologia e il viaggio (technology and travel)</p> <p>Il mondo del lavoro</p>

Chinese

Semester Cost: \$10.00

Chinese Second Language (4CSX)

Unit 1

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

Unit 2

The focus is hobbies and my free time. It is aimed at students who have basic knowledge of Chinese. They share information about and develop a sense of their own space and place. While developing the skills to travel within Chinese-speaking communities, students learn more about communities and their cultures and their sense of space and place.

CHINESE Background Language (4CBX)

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

Unit 1

Covers the theme of the **Individual & the Community and Youth Culture**. Students will explore the following issues in their native language, Chinese.

- The role of the individual in today's society
- Changing gender roles in today's society
- The role of family and marriage in contemporary society
- Pressures on young people today
- The place of education in young people's lives
- The impact on young people of changes in traditional social values.
- Students are given opportunities to develop skills in analysing Chinese literature and writing a variety of articles in Chinese.

Unit 2

Covers the themes of Chinese Communities Overseas and Global Issues
Students will explore the following issues in their native language, Chinese.

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

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

MATHEMATICS

Mathematics 5Max
Mathematics G&Tx

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

At this year level:

- **Understanding** includes applying the four operations to algebraic fractions, finding unknowns in formulas after substitution, making the connection between equations of relations and their graphs, comparing simple and compound interest in financial contexts and determining probabilities of two- and three-step experiments
- **Fluency** includes factorising and expanding algebraic expressions, using a range of strategies to solve equations and using calculations to investigate the shape of data sets
- **Problem-solving** includes calculating the surface area and volume of a diverse range of prisms to solve practical problems, finding unknown lengths and angles using applications of trigonometry, using algebraic and graphical techniques to find solutions to simultaneous equations and inequalities and investigating independence of events
- **Reasoning** includes formulating geometric proofs involving congruence and similarity, interpreting and evaluating media statements and interpreting and comparing data sets.

Pathway 1 - for students aiming for Specialist, Methods or Applications course in upper school. Students complete the Year 10 course as outlined by SCSA with extension and enrichment, including work from 10A and introductory upper school courses.

Pathway 2* - for students aiming for Applications or Essential course in upper school. Students complete the Year 10 course as outlined by SCSA.

Pathway 3* - for students aiming for Essential course in upper school or not choosing Mathematics in upper school. Students work from the Year 10 course at a slower pace with an aim at C grade achievement.

The following table shows the pre-requisites for selection of upper school courses at our school:

Course	Pre-requisite	STEM Careers (some examples)
Mathematics Specialist	'A' grade in Year 10 Mathematics Pathway 1 (Semester 1 and Semester 2) + Teacher recommendation + Enrolled in Mathematics Methods	Engineering, Physical Sciences, Mathematics
Mathematics Methods	'A' grade in Year 10 Mathematics Pathway 1 (Semester 1 and Semester 2) + Teacher recommendation	Statistics, Logistics, Architecture, Communications
Mathematics Applications	'B' grade or higher in Year 10 Mathematics Pathway 2 or higher	Teaching, Logistics, Nursing, Cyber Forensics, Design
Mathematics Essential (General course)	Interest in mathematics and the appropriate work ethic (Project based work to be completed to high standard and submitted on time and students required to sit an EST - externally set task/test in Year 12)	Construction, Trades, Warehousing, Logistics

*Please note that extra assistance is also provided for students who are required to complete OLNA.

Pathways

YEAR 10	Semester 1 and 2 - four hours per week	Students may undertake a senior school course as determined by the G&T teacher
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YEAR 11/12	Mathematics Applications	Mathematics Methods	Mathematics Specialist	Mathematics Essential - General
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High achieving students may be given the opportunity to study both Methods and Specialist.



Science

Semester Cost: \$17.00

For the start of Year 10, students will be placed into one of three science pathways.

- **The A Pathway** is the most challenging and designed to prepare students for the rigours of ALL Year 11 ATAR science courses and is the only pathway for students to study Chemistry and Physics.
- **The B pathway** prepares students for the two biological sciences courses on offer in Year 11.
- **The C pathway** is a benign course designed to engage students not considering upper school science courses other than General Human Biology.

Students will be placed into pathways based on their overall performance in Year 9 Science and on parent/student request. It is important to have this organised by the end of Year 9.

During Year 10, A and B pathway students will cover the following conceptual areas: Physics, Chemistry and Biology.

'C' Pathway students will cover the following conceptual areas: Physics, Biology, Chemistry, Astronomy, Earth Sciences and Forensics

These outcomes are interwoven with the process outcomes of Investigating Scientifically.

Student achievement in Year 10 will determine ability to enrol in upper school courses.

'A' pathway students will need to achieve an A grade to be accepted into Year 11 ATAR Physics and Chemistry. A or B grade minimum is required for acceptance into Year 11 ATAR Human Biology and Biology.

Students from the C Pathway will not be eligible for entry into ATAR Science courses but a C grade will ensure their place in Year 11 General and Integrated Science.

Links To Upper School

Year 11 Unit

ATAR Physics
 ATAR Chemistry
 ATAR Biology
 ATAR Human Biology
 General Integrated Science

Year 10 Minimum Prerequisite

A grade in physical sciences units
 A grade in chemical sciences units
 A grade or high B grade biological sciences units or teacher recommendation
 A grade or high B grade biological sciences units or teacher recommendation
 C grade in science or teacher recommendation

YEAR 10	Aviation Studies (Specialist Program)	Semester 1 Year 10 Science
		Semester 2 Year 10 Science

YEAR 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
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TECHNOLOGIES

In an increasingly technological and complex world, it is important to develop knowledge and skills to analyse and creatively respond to design and/or digital challenges. Society needs enterprising students who can make discerning decisions about the development and use of technologies, develop solutions to complex challenges and contribute to sustainable patterns of living. Technologies can play an important role in transforming, restoring and sustaining societies and natural, managed and constructed environments.

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

- Design and Technologies (DAT) - in which students learn in the practical contexts of Woodwork, Mixed Materials, Food & Nutrition and Caring for Children.
- Digital Technologies (DT) - in which students learn in the digital contexts of Digital Engineering and Digital Technologies

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

In Year 10 students can undertake studies in any Design & Technologies and Digital Technologies courses over the academic year. Selections should be based on personal interest and, importantly, aspiration for senior school courses.

Pathways

Contexts	DESIGN & TECHNOLOGIES				DIGITAL TECHNOLOGIES	
	OPEN COURSES				OPEN COURSES	
YEAR 10 Year long Courses	Woodwork (MDT) 8MDWX	Materials (MDT) 8MDMX	Foods (MDT) 8MDFX	Caring for Children 8CFCX1	Digital Engineering 8DEX	Digital Technologies 8DTX
Senior School Courses of study	Materials Design & Tech - Wood Design Technical Graphics - General General Building & Construction	Building & Construction - General	Food Science & Technology - General	Children, Family & Community - General	Certificate II in Engineering Pathways	Applied Information Technology - ATAR Applied Information Technology - 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.

DESIGN & TECHNOLOGIES (DAT)

8MDWX - Woodwork

Cost \$160.00

In Woodwork students apply the principles of design using available facilities and resources plus an assortment of materials and frameworks to create solutions to design challenges.

These solutions can include projects such as occasional tables, storage boxes and lathe turning projects and use a range of tools, machinery and CAM laser cutting technologies.

This course provides sound preparation for students who aspire to study related courses in years 11 and 12 or to develop skills for Engineering, Manufacturing or Trade careers.

Pre-requisites: Nil

8MDMX - Mixed Materials & Technologies

Cost \$160.00

This course is designed for students who enjoy a hands-on creative challenge that expands their knowledge of materials used in society. Students refine their understanding of a range of materials including; plastics, metals and manufactured boards as they design and make a range of projects. They will use a mix of CAD software, power tools and CAM manufacturing in the development of their design ideas.

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

Pre-requisites: Nil

8MDFX - Food Science

Cost \$200.00

In this course, students develop their knowledge and skills through a range of hands-on food investigation and production activities that include the study of current food fashions, trends and related issues. Students plan menu items in a variety of contexts as they explore aspects of Australia's food patterns and the impact of Indigenous and multicultural influences. This course provides sound preparation for students who aspire to study related courses in years 11 and 12 or to develop skills for Hospitality and Catering careers.

Pre-requisites: Nil

8CFCX1 - Caring for Children

Cost \$160.00

In this course, students will develop skills to help them care for the needs of young children. This course will include a range of practical activities including both sewing and cooking and will involve the opportunity to spend time and create meaningful bonds with young children. This course provides sound preparation for students to study Children, Family and the Community in Year 11 and 12 or to develop skills for babysitting, parenting, or careers in education.

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

Pre-requisites: Nil

DIGITAL TECHNOLOGIES (DT)

8DEX - Digital Engineering

Cost \$50.00

In this course students explore the world of digital engineering through computer assisted research, data analysis, design, drawing and manufacturing. Students will use industry software to design and develop practical and complex engineering solutions. Students develop their understanding of the digital engineering process through structural and sustainable design, collaborative problem-solving and creation of complex physical engineering solutions. They also use computer-controlled production processes, such as 3D printing and laser cutting to produce some of their work.

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

8DTX - Digital Technologies

Cost \$50.00

In this course students explore and develop their understanding of how data can be secured through cyber-security. They also learn to design and implement an interactive, functioning website using HTML/CSS Javascript. Students design, manage and create a media plan and campaign based on relevant current issues. They will do this using a range of industry standard software packages and by defining and de-constructing complex issues in terms of functional and non-functional requirements. Students also take into account the privacy and security requirements of their project.

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