



We believe that a successful high school program of study will provide a broad platform for further educational and vocational opportunities. At Melrose High School all students will study seven subjects in each of the two semesters in the year. All students study English, Mathematics, Science, Humanities and Social Science (HaSS) and Physical Education (PE) for the full school year. Additionally Year 7 & 8 students will study a Language for the full school year.

This elective handbook is designed to assist students in planning their program of study. All elective courses and units of study are described on the following pages. To ensure that the selection process provides the best opportunities and outcomes for each student, we encourage students to contact teaching staff in the various learning areas to obtain further details or to discuss selection options.

In making decisions about units of study, students should:

- Pursue units in which they are interested in and can achieve
- Consider the courses and units they would like to study in the following years at High School and College
- Investigate the requirements for possible career and vocational options.

### **Unit cost**

The School Board allocates government funding for the purchase of new high quality resources such as IT hardware and software, books and equipment. The School Board also asks parents to make a voluntary financial contribution towards the purchase of student consumable items each semester. Items such as paper, internet downloads, cooking ingredients, art and wood supplies, chemicals and subscriptions are used to enhance the range of learning experiences. Some units require additional charges to cover the cost of excursions, programs and memberships, these are noted next to the unit descriptions.

### **Elective Selections**

Students will select their elective preferences through an online portal call Web Preferences. Through this program, students will need to complete their preferences form, ensuring they follow the instructions and fill in each component. Web Preferences will allocate elective classes to students based on their preferences and works to establish the best outcome for each student. Each student will be sent instructions to their student email address when Web Preferences is available. The information in the email will outline the requirements to complete the preference choices. Students having issues with the elective selection process should come to S18 so that we can assist you or reply email from the Web preference email. Students in Year 7 and 8 complete semester long subjects with a minimum of 1 Arts and 1 Technology subjects over the two year time frame.

### **Time lines**

Term 3: Week 8 & 9 - Applications for ACE and other special units

Term 4: Week 2 - The Elective Handbook is emailed to students and families and uploaded to the school website.

Term 4: Week 3 - The Web Preferences form opens to Yr 7-9 students to select for the following year (Yr 8) or Semester (Yr 9&10). The form closes at the end of Week 4

Term 4: Week 4 - The Web Preferences form opens to Yr 6 students to select for the following year. The form closes at the end of Week 5.

Term 1: Week 8 & 9 - Applications for ACE and other special units for Semester 2

Term 2: Week 3 - The Web Preferences form opens for Yr 9 & 10 students to select Semester 2 units. The form closes at the end of Week 4.

# BIG PICTURE

## What is Big Picture?

The Big Picture design for learning is based on research that shows that we learn best when we are personally motivated. Big Picture Education is a parallel education stream that aims to take a student's passion(s) or curiosities and develop a personalised and individualised curriculum around those passions.

Putting students at the centre of decisions around what, how and when they learn is the key to nurturing the next generations of engaged, independent learners. While each student is unique with their own set of passions and capabilities, they are not alone. They are supported by a network of peers, advisory teachers, expert mentors and family. Students are prepared for opportunities beyond school with an emphasis on relevance and real-world learning. Big Picture combines academic work with real-world internships, using their head, heart and hands to explore their world and plan their own pathways to future employment, study or enterprise.

## Inspired Big Picture Elective (1 Semester) for Yr 7, Yr 8, Yr 9 and Yr 10

The Big Picture Academy at Melrose High School has a range of elective options available for students in Years 7, 8, 9 & 10 students. Big Picture works on passion pursuits, with students determining and devising their own learning programs. Students in Yr 7, 8, 9 and 10 may undertake a single elective line of Big Picture, which is a teacher-guided model and a taster for a fuller Big Picture programme offered in Years 9 & 10.

This elective is for students who have a keen interest in or passion for an area of study that falls outside their traditional school offerings or would like to try a semester of Big Picture to see if this style of learning supports them. This elective will provide an opportunity for students to explore, discover and develop an individual learning plan with their Big Picture advisory teacher while focusing on, or identifying their own interests. It provides a fantastic opportunity for students to really focus on an area that is important to them, and most significantly, the time to develop a deeper knowledge of their passion. Please note that entry in to Big Picture is 'by application' and student selections will be examined on the basis of need and numbers.

Example of Elective choices

Yr 7 & 8 - Core Classes + 1 Big Picture Elective

Yr 9 & 10 - Core Classes + 1 Big Picture Elective + 1 Elective ( Drama, cooking, etc)

## Authentic Big Picture Program - Yr 9 and Yr 10 Core Class

The Authentic Big Picture Program is an intensive program that supports students to become 21st Century learners. Students will be provided with the opportunity to follow their passions, find mentors in the world and create powerful learning.

Students will work with their fellow students in a community where the focus is on one student at a time, recognising that each student is unique in their learning style and interests. Each term students focus on one in depth project that covers and includes the core subjects - Maths, English and Science within their project. With the support of their Advisory teacher the students are involved in a collaborative process to create their own individual learning plan that is accountable and their learning is celebrated through an exhibition at the end of each term. Please note that entry in to Big Picture is 'by application' and student selections will be examined on the basis of need and numbers.

Examples of Elective choices

Big Picture Core Class + 2 Electives + PE

(Students must do Physical Education. Students can choose Big Picture PE or Mainstream PE)

Big Picture Core Class + 1 Big Picture Elective + 1 Elective ( Woodwork, Art.....) + PE

(Students must do Physical Education. Students can choose Big Picture PE or Mainstream PE)



## LANGUAGES

At Melrose, we offer three choices for language studies, each offering a rich language and cultural experience. Studying another language not only supports further career choices and assists people with travel, but also broadens students' intercultural understanding. All three language courses include cultural experiences and interactions with native language speakers.

Please note:

- It is compulsory for all students in Years 7 and 8 in the ACT to study a second language.
- As all languages classes are a two-year long course of study, it is important that students carefully consider which language they will choose. Students are not permitted to change languages when starting Year 8.
- Classes cater for students who have studied the language at primary school and for those with no prior learning experience.

### Chinese

China is Australia's biggest trading partner and learning Chinese will provide students with more job opportunities in the future. Chinese is also one of the world's most commonly spoken languages and the language most commonly spoken as a second language in Australia. Chinese lessons are fun and relaxing. Students will engage in role-plays with daily conversations, play language games, sing songs, create artwork, make videos, practise traditional dances and study with ICT tools. Students also have opportunities to participate in ACT Chinese competitions every year and there will be prizes and free excursions for winners and their families. Chinese language students are invited to participate in an overseas excursion, travelling to Taiwan to visit our sister school and immerse themselves in language and culture.

Additional Costs: \$20 Language Perfect Subscription  
Excursions: Additional as required

### Indonesian

With a population of 250 million people, the fourth largest country in the world, Indonesia is one of our closest neighbours. It is a country full of great contrast and excitement; every single island differs from the next. From the moment they step into the classroom, students are immersed in both the language and culture of Indonesia. A combination of language-based tasks, integrated ICT and hands-on activities makes learning Indonesian fun and engaging for students. Classroom experiences are enriched further with workshops at the Indonesian Embassy, an Indonesian Assistant, a behind-the-scenes tour at the zoo, restaurant visits and more. A phonetic language and use of the Roman alphabet, makes Indonesian an easily accessible language for all students.

Additional Costs: \$20 Language Perfect Subscription  
Excursions: Additional as required

### Japanese

In today's world we all need to be skilled language learners, so why not begin with a language you are interested in and passionate about? Do you know what Manga & Anime are? Have you developed a passion for the Japanese language and culture in your primary school? By choosing Japanese at Melrose, students will be immersed into the Japanese language and culture through many different mediums and language opportunities. Japanese students are also given the chance to immerse themselves within the Japanese language in real life opportunities such as the Makubetsu visit in Term 1 and our Japanese overseas excursions every 2 years.

Additional Costs: \$20 Language Perfect Subscription  
Excursions: Additional as required

## ARTS

### **Beginner Band (Yr 7)**

This is a specialist class which must be selected at the time of enrolment at Melrose. It generally only runs in first semester, and is only available to Year 7 students.

In the Beginner Band class students elect a Concert Band instrument to learn on, and form a Beginner Concert Band. After completing this course students will be eligible to join the Melrose Concert Band, which rehearses one lunch time per week. This class is also included in the annual music camp, which is a three day camp held at Birrigai.

Additional Costs: \$80 Instrument hire (per semester); \$31 Band Shirt (optional)  
Excursions: \$270 (approx.) Music Camp

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### **Dance**

In this unit students will have the opportunity to learn about the essential dance elements and how to apply these when creating their own choreography. They will also explore some basic contemporary dance technique and perform a class routine in a genre of their choice. This unit of Dance aims to prepare students for further development in the units of Dance in Year 9 and 10.

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### **Drama**

Drama in Years 7 and 8 offers students an introductory semester of the art form. Students will experience working in small groups to learn skills and devise small performances, the basics of stage use, including Tableau rules and sequencing, the basics of improvisation and mime and a chance to critically reflect on their newly acquired skills. Through experiencing this unit students become more confident working in group situations, listening, using voice effectively and performing for an audience.

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### **Music**

In this unit students will be given the opportunity to learn basic music theory, including how to read music notation. They will also get an introduction to the guitar and the keyboard, and be able to develop their skills on an instrument of their choice. They will work both individually and in groups to present performances to the class, and to compose their own original music.

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### **Visual Art**

In this unit students will explore the elements and principles of art through making and appreciating a variety of artworks. Students will visually express thoughts, ideas and feelings about themselves, others and their environment through a variety of media such as drawing, painting, ceramics, printmaking and sculpture. This unit of Visual Art provides the fundamental skills that will be developed further in Year 9 and 10.

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## TECHNOLOGY

### Fashion & Design

#### Fun with Dyes, Prints and Yarns (Yr 7)

In Fashion and Design I, students will investigate how to be safe in the workshop and be guided by the 21st Century Fluencies model to complete small beautiful and functional projects of their choice using textiles yarns and fabrics. Students will focus on the sustainable practices when selecting material and use old and new production techniques. They are required to document their design, production and reflection process. Students will get the opportunity to learn to use various relevant equipment in the workshop. They will research the production process of selected fibres and investigate if these have any adverse effect on the environment.

#### Fast Fashion and the Environment (Yr 8)

In Fashion and Design II, students will investigate how to be safe in the workshop and be guided by the 21st Century Fluencies model to solve fashion related problems. The focus of this unit is identifying current fashion issues and exploring possible solutions. The solutions could lead to students producing creative and unique items either for their own use or for someone else. Students will get the opportunity to learn to use various relevant equipment in the workshop. They are required to document their design, production and reflection process.

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### Food Technology

#### Healthy Cooking (Yr 7)

Students begin this unit by learning about safety including hygiene, equipment safety and food handling. They will then move on to looking at food and nutrition, including the food groups and how these impact on our body. Through the semester students will conduct a number of practical cooking sessions where they will learn skills such as cutting and cooking techniques as well as organisation and cleaning skills. There is a focus on healthy choices, recipe modification and using food from the school garden.

Costs: Students may be required to provide ingredients to supplement individual projects

#### Australian Cooking (Yr 8)

Students will explore the traditional dishes from different countries and discover the impact multiculturalism has had on Australian cuisine. Students will explore Indigenous History through bush tucker food and look at the changes in the Australian lifestyle. They will work on a major design burger project. There is a focus on safety and hygiene and making healthy food choices for life and there is an expectation that students will design and make a dish for the local community.

Costs: Students may be required to provide ingredients to supplement individual projects

#### Pizza, Pasta, Pastry (Yr 8)

Students will have the opportunity to learn about Pizza, Pasta and Pastry. They will learn how to make different types of pasta from start to finish and produce delicious and creative dishes. They will design a pastry dish for their major design project and learn about the different types of pastry and the techniques involved in making them. There is a focus on safety and hygiene and making healthy food choices for life and there is an expectation that students will design and make a dish for the local community.

Costs: Students may be required to provide ingredients to supplement individual projects

## TECHNOLOGY

### General Design

This course will offer students the foundations of design, giving students the opportunity to learn the principles of design and apply them to design challenges. Students will develop their knowledge and skills in creative thinking, visual communication, technology, 2D and 3D design and will focus on the investigation and development of design projects. In subsequent years, students will be encouraged to identify and address problems in their chosen areas including interior design, architecture, graphic design, jewellery design and photography.

Excursions: \$20 (approx.) for gallery visits/workshops

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### General Information Technology

Students will begin by demonstrating their competency with spreadsheet programs. They will then move on to develop new skills such as manipulating images, working with HTML and programming. Students will then extend on these new skills to develop a research project of their choice. If time permits, students will have the opportunity to do 3D animation and games programming.

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### Robotics (Yr 8)

In this course, students will be introduced to the underpinning concepts of programming and robotics, as well as look at the philosophies and ethics behind these.

This course is designed as an entry point into mechanisation and automation, fundamental aspects of the rapidly changing 21st century world. Students will be familiarised with the concepts that will become an every day part of their lives in the near future. Students will explore the fundamentals of programming, and automation, while also being exposed the principles behind these, as well as the underpinning historical philosophies and ethics such as Isaac Asimov's 3 Laws. Students will be introduced to basic team challenges with Sphero kits, with the intention of expanding this out to team and inter-school challenges with nearby competitors. Students will begin by programming using simple graphical software such as Scratch, with the intention of expanding into Java and Python by the end of the Semester. They will also engage in a number of activities involving the Sphero robots with a cross-curricular focus involving Maths, Science, HaSS, Art and more.

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### Wood/ Metal Design

In this unit students will be introduced to the wood and metal workshops. They will learn about workshop safety. On completion of the safety component the students will be introduced to some of the machines and hand tools available to them. They will get to use these tools (in addition to the laser cutter/engraver) to make a series of projects, which will develop their motor, as well as measuring and planning skills.

Units include:

- Design Workshop (Yr 7)
- Metal Workshop (Yr 8)
- Wood Workshop (Yr 8)

# Year 7 & 8

## PLANNER

Use this planner to note the units you are interested in. Number them in order of preference, this will make it easier when you do your elective selections online. Your selections are for the entire year.

| Unit                             | Notes  | Yr 7 Preference | Yr 8 Preference |
|----------------------------------|--|-----------------|-----------------|
| Language - Chinese               | Choose One Language to be studied over 2 years |                 |                 |
| Language - Indonesian            |  |                 |                 |
| Language - Japanese              |  |                 |                 |
| Beginner Band                    | Separate application required                  |                 |                 |
| Big Picture                      |  |                 |                 |
| Dance                            |  |                 |                 |
| Drama                            |  |                 |                 |
| Music                            | Year 7 Semester 2 only                         |                 |                 |
| Visual Art                       |  |                 |                 |
| Fun with Dyes, Prints and Yarns  | Year 7 only                                    |                 |                 |
| Fast Fashion and the Environment | Year 8 only                                    |                 |                 |
| Healthy Cooking                  | Year 7 only                                    |                 |                 |
| Australian Cooking               | Year 8 only                                    |                 |                 |
| Pizza, Pasta, Pastry             | Year 8 only                                    |                 |                 |
| General Design                   |  |                 |                 |
| General IT                       |  |                 |                 |
| Robotics                         | Year 8 only                                    |                 |                 |
| Wood/Metal - Design Workshop     | Year 7 only                                    |                 |                 |
| Metal Workshop                   | Year 8 only                                    |                 |                 |
| Wood Workshop                    | Year 8 only                                    |                 |                 |



Year 7 & 8

# NOTES

## CORE PHYSICAL EDUCATION

Students MUST select ONE core PE unit.

In addition to participating in the various activities associated with each of these units, students will participate in the following core topics, which will be integrated into all units throughout the year - Health, Fitness Testing, Cross Country, Social Dance and Athletics.

Information about payments is provided in a letter home before activities take place.

### **Aspiring Athletes Program (AAP)**

This program caters for students who have shown a commitment to excellence in one or more sports and have demonstrated an ability to achieve academically. Enrolment in the program is determined on merit by a panel of staff at MHS following consultation with current coaches and parents. The program gives students additional time to work independently on their training and/or academic studies, in-school study lines under the supervision of the AAP teacher, and practical sessions at the local gym and at school.

Unit Repeatable: Yes

Restrictions: By application only

Cost: Club Lime Gym student membership currently \$40 for Access Card + \$8 per week

Excursions: No additional

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### **Dance**

Dance classes aim to increase students' understanding of dance skills, the use of safe techniques and how to utilize choreographic devices and elements to create aesthetically pleasing movement. Performance, choreography and planning skills are developed through dance production, choreographic exercises and improvisation.

Students create group and individual dance works to perform at a variety of school and community events.

Unit Repeatable: Yes

Cost: Dance uniform \$50 (optional)

Excursions: Dance Camp (\$160)

Dance fest (\$45)

Eligible for Arts Tour (\$400-\$500)

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### **Femme Fit**

The class is designed for female students who are interested in improving their health and fitness levels in a positive and encouraging environment with others of a similar level of fitness. Activities include walking, personal training, cycling, swimming, canoeing, sessions at the local gym and team sports relevant to the group dynamics. The class also involves theory lessons that address body image issues, healthy eating, and energy intake versus expenditure.

Unit Repeatable: Yes

Restrictions: Females only

Cost: Club Lime Gym student membership currently \$40 for Access Card + \$8 per week

Excursions: No additional

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### **Fit For Life**

This class allows students to visit The Club Lime Gym at Mawson where they will learn to use a variety of aerobic and strength training equipment. Fitness activities are also undertaken at school which will include fitness testing, Mt. Taylor walks, cycling and games for fitness. The course is supplemented with specific theory lessons on the components of fitness and health education.

Unit Repeatable: Yes

Restrictions: By application

Cost: Club Lime Gym student membership currently \$40 for Access Card + \$8 per week

Excursions: No additional

## CORE PHYSICAL EDUCATION

### Physical Education

This course continues with a similar program experienced during Years 7 and 8. The course components are negotiated by the class to cover a range of individual and team sports and activities.

Unit Repeatable: Yes  
Cost: No additional  
Excursions: None

### Racquet Sports

In this class students will develop and apply skills in game situations in tennis, squash, badminton, table tennis and paddle tennis. The unit is designed to encourage students to participate in these sports as lifelong activities. Students will utilise school and community facilities.

Unit Repeatable: No  
Cost: Not exceeding \$32 paid to Woden Squash Centre  
Excursions: No additional

### Team Sports

In this class students are provided with the opportunity to apply many of the skills they have developed in Years 7 and 8 Physical Education, in a team environment. The unit employs the Sport Education model, which gives students ownership of their learning by adopting an organisational role within the group. The sports undertaken may be selected from the following: basketball, volleyball, soccer, netball, touch, Australian Rules, flag football and European handball.

Unit Repeatable: Yes  
Cost: No additional  
Excursions: None

### Walk and Talk

This class is designed for students who wish to develop their fitness through walking in a non-competitive atmosphere. Most lessons involve walks in the local community. The course includes a theory component on metabolism and fitness and health education.

Unit Repeatable: No  
Cost: No additional  
Excursions: No additional



## ARTS/TECHNOLOGY

### Architecture

#### Architecture 1

Students will have the opportunity to focus on the basic principles for developing and designing structures. Students work on their visual communication skills and refine their drawing processes both with hand drawing illustration techniques and computer aided design. Students will develop a good understanding of perspective and how to create this in their own designs. Students will address key concepts of what makes good design and explore a variety of ideas in this process, including but not limited to user interfaces, design for sustainability, and creating structures for purpose.

Students will make a variety of design solutions, ranging from town plans, floor plans, city designs and artistic interpretations of architectural spaces. Students will also discover important structures throughout history and unpack why they are significant to the time and place.

Unit Repeatable: No  
Restrictions: No  
Cost: No additional  
Excursions: None  
anticipated

#### Architecture 2

Students will design and develop their own interest projects based in Architecture over the course of the semester. Students will build on what they have learnt in Architecture 1 and apply this to their self directed projects. Students are expected to be self directed learners in this unit. Students need to work collaboratively with others to share and present their ideas and their learning. Students will create 3D models of their designs and explore new and old technologies for creating design solutions.

Unit Repeatable: No  
Restrictions: No  
Prerequisite: Architecture 1  
Cost: No additional  
Excursions: None  
anticipated

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### Backstage Production

Students will learn about the 'behind the scenes' aspect of live production work. They will learn about the role of a Stage Manager in productions and the different technical roles including sound engineer, lighting designer/operator and stagehands. They would learn how to manipulate sound and lighting production elements to create and enhance moods during productions, and to promote a positive audience experience. These skills would be put in to practice at school events such as assemblies, Arts Fest, Entertainment Night and drama productions. Students will also have opportunities to observe professional venues/situations through excursions to venues like the Canberra Theatre Centre.

External specialists would also be invited to come in and work with the class. Students would also learn about how WHS principles apply to this industry, and how they can ensure they are working and operating equipment in a way that complies with these principles.

Unit Repeatable: No  
Restrictions: No  
Cost: Up to \$25 for Specialist  
Incursion  
Excursions: Up to \$20 for  
Canberra Theatre tour.  
Eligible for Arts Tour (\$400-  
\$500)



## ARTS/TECHNOLOGY

### Computer Science

In this course, students will learn how to build a custom PC. Students will explore the components and relationships that make up a computer both experientially by pulling apart and reassembling computers, and theoretically by creating an 'ideal' PC build list. Students will begin the course by pulling apart donated PCs and then learn to re-install each part. Once these computers have been reassembled, students will design a parts-list for an ideal computer. They may choose to create a gaming PC, a Photoshop PC, a Virtual Reality PC, whatever captures their interest. Students will then pitch their build-lists 'Shark Tank' style to try to get funding to build their computers.

Unit Repeatable: No  
Restrictions: No  
Cost: No additional  
Excursions: None  
anticipated

### ACE Dance

ACE Dance focuses on increasing students understanding of all performance aspects. Technique, choreography and performance skills will be developed in this course through both class and community events and performances during the semester. Students will have various performance and leadership opportunities to demonstrate the skills that they develop through this course.



Unit Repeatable: Yes  
Restrictions: By application  
only  
Cost: \$50 for Dance uniform  
(optional)  
Excursions: Dance Camp  
(\$160) ; Dance Fest (\$45) ;  
Kulture Break (\$155)  
Eligible for Arts Tour (\$400-  
\$500)

### ACE Drama

ACE Drama is open to students in year nine and ten over two semesters. Students hoping to be selected in the class will submit an application form and take part in a short audition. The auditions are held in term four for students in years eight and nine through the medium of a short monologue or duologue.

In Semester One students will be introduced to the theories of prominent dramatic theorists; Laban (movement), Stanislavski (Realism) and the stock characters of Commedia Dell Arte. Semester two is primarily focused on the production and performance of a major play for a public audience. Learning lines, character development and analysis of the script are major components of the course. Recent performances include 'Steel Magnolias', 'Cosi', 'The Crucible', 'The Real Inspector Hound', 'Major Payne' 'Ten Ways to Survive the Zombie Apocalypse' and 'The Breakfast Club.'

Unit Repeatable: Yes  
Restrictions: By application  
only  
Cost: No additional  
Excursions: Eligible for Arts  
Tour (\$400-\$500)





## ARTS/TECHNOLOGY

### Drama

The Drama units are for new or continuing students. Students will be exposed to a range of techniques and skills including miming, script work, character work, improvisation, play building, voice work, monologues, Theatre Sports, Commedia Dell Arte, community performances, issues-based drama, Shakespearian dialogue, stage fighting and soliloquies. Continuing students will be involved in more advanced performance work for an outside audience including children's theatre and teaching drama in primary schools.

Performing Arts will help students improve their confidence, stagecraft and performance skills and as well as develop dedicated work and team habits.

Unit Repeatable: Yes  
Restrictions: No  
Cost: No additional  
Excursions: Eligible for Arts Tour (\$400-\$500)

### Fashion and Design

#### Creative Crafts

In Fashion and Design III, students will investigate the numerous safety and ethical issues in the fibre and fabric production industry. They will be guided by the 21st Century Fluency model to complete trendy soft furnishings or creative crafts, traditional and contemporary. Students will also utilise assembly line production process and explore sustainable practices in fashion. They are required to document their design, production and reflection process. Students will get the opportunity to learn to use various relevant equipment in the workshop.

Unit Repeatable: No  
Restrictions: No  
Cost: Students will be required to provide materials to supplement individual projects  
Excursions: None anticipated

#### Seasonal Wear

In Fashion and Design IV, students will investigate the numerous safety and ethical issues in the fibre and fabric production industry. Students will be expected to conduct and document Risk Assessment for practical activities. They will be guided by the 21st Century Fluency model to complete beautiful, unique and functional projects. Students will also utilise assembly line production process and explore sustainable practices in fashion. They will be required to document their design, production and reflection process. Students will get the opportunity to learn to use various relevant equipment in the work.

Unit Repeatable: No  
Restrictions: No  
Cost: Students will be required to provide materials to supplement individual projects  
Excursions: None anticipated



## ARTS/TECHNOLOGY

### Formal Wear

Fashion and Design V is an advanced unit.

In this unit students will investigate safety and ethical issues in the fibre and fabric production industry. They will explore innovative techniques and functional material used in fashion industry. Students will be expected to conduct and document Risk Assessment for practical activities. They will be expected to either design or adapt a design to produce formal wear for a special event. Students will also utilise assembly line production process and explore sustainable practices in fashion. They will be guided by the 21st Century Fluency model to document their design, production and reflection process.

Unit Repeatable: No

Restrictions: Must have completed another Fashion and Design class

Cost: Students will be required to provide materials to supplement individual projects

Excursions: None anticipated

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### Food Technology

#### Cultural Cuisine

Students will be exploring the food and eating habits of different cultures and countries. They will have the opportunity to prepare and appreciate relevant staple foods, flavours, cooking styles and etiquette. Students will also look at the various factors that affect the production, availability and selection of a variety of ingredients from around the world. The highlight of this unit is designing and making a gingerbread house or a negotiated celebration food and fusion recipe challenge. Strong emphasis is placed on safety, hygiene, sustainable practices and collaborative learning. It is expected that students will also contribute to events or local community initiatives.

Unit Repeatable: No

Restrictions: No

Cost: Students may be required to provide ingredients to supplement individual projects

Excursions: None anticipated

#### Delicious Desserts

Students will explore desserts from different cultures and look at how desserts can still be made healthy. They will work on modifying existing recipes to make new dishes and will consider alternative ingredients and cooking techniques. The major project will be around designing a new dessert suitable for sale in the school canteen. There is a focus on safety and hygiene and making healthy food choices for life and an expectation that students will design and make a dish for the local community.

Unit Repeatable: No

Restrictions: No

Cost: Students may be required to provide ingredients to supplement individual projects

Excursions: None anticipated

#### Festive Baking

Students will explore the baking process and look at what festive foods can be baked for special occasions. There will be a focus on designing and decorating cakes and students will design a unique signature dish every fortnight. Students will understand the functions of ingredients in foods and be confident in using equipment such as ovens, to create products with consideration of sustainability, ethical and social factors. There is a focus on safety and hygiene and making healthy food choices for life and there is an expectation that students will design and make a dish for the local community.

Unit Repeatable: No

Restrictions: No

Cost: Students may be required to provide ingredients to supplement individual projects

Excursions: None anticipated

## ARTS/TECHNOLOGY

### Entertaining and Hospitality

Students focus on developing knowledge and skills necessary for work in the Hospitality Industry. Students will develop their food preparation and presentation skills using a wide variety of equipment through a range of experiences. Students will be expected to perform industry service outside of school hours and be suitably attired for these occasions. During this course students will be working towards gaining competencies in: participate in safe work practices, prepare and serve espresso coffee and prepare and present simple dishes. Strong emphasis is placed on safety, hygiene, sustainable practices and collaborative learning. It is expected that students will also contribute to events or local community initiatives.

Unit Repeatable: No  
Restrictions: No  
Cost: Students may be required to provide ingredients to supplement individual projects  
Excursions: None anticipated



### Graphic Design:

This unit introduces the core graphic design concepts and principles, skills and technology required for graphic designers. Through a mix of research, theory and project work, students engage in a highly practical program of study focused on the development of a fundamental graphic design literacy and competency. Over the semester, students will discover, design, and deliver a graphic design portfolio, working from individual design briefs. Students will have the opportunity to investigate both the technical and conceptual aspects of design and to debrief about their process.

Unit Repeatable: No  
Restrictions: No  
Cost: No additional  
Excursions: None anticipated

### Industrial Design

Students will engage in the process of Industrial Design in a number of formats. Students will work to develop their visual communication skills and refine their drawing skills through the regular use of their visual diary, as well as developing their CAD skills.

Students will engage in seeking and identifying design opportunities. Understanding, developing and meeting design briefs and looking into the world of design around them, students will engage in practical tasks including, but not limited to: jewellery design and creation, production processes working with a variety of materials including fabrics, sustainability investigations, and creating 'fit for purpose' designs. Students will also discover industrial designs which shaped the modern world, and what will be next for the 21st Century.

Unit Repeatable: No  
Restrictions: No  
Cost: No additional  
Excursions: None anticipated

## ARTS/TECHNOLOGY

### Interior Design

This course will introduce students to the concepts of both residential and non residential Interior design. The focus of the unit is on technical knowledge and, professional practices and aesthetic principles and design process. Curriculum content includes residential and nonresidential interior design, architectural drafting, computer-aided design, and universal design. Also included are basic design, code standards, history of interiors and furnishings, color theory, products, business practices, visual presentations, and sustainable principles.

Unit Repeatable: No  
Restrictions: No  
Cost: No additional  
Excursions: None anticipated

### Journalism

Students will work collaboratively in a the classroom environment to produce all kinds of journalism. Students will learn the basics about news reporting, investigative journalism, photo essays, recording, producing and publishing journalistic works. Students will work to create school publications which are well refined and professionally produced.

Unit Repeatable: No  
Restrictions: Semester 2 only  
Cost: No additional  
Excursions: None anticipated





## ARTS/TECHNOLOGY

### Metal Design

Students will have the opportunity to study metalwork in four semester units where hand and machine tools will be introduced as well as oxy acetylene and Mig welding. Students will have the opportunity to use workshop machinery for cold and hot working metal. The skills learnt will be consolidated with the design through graphic representation and construction of projects that utilise the skills and techniques learnt. Safety is paramount to participation in these areas and will be revised and built upon each unit.

Unit Repeatable: Yes  
Restrictions: No  
Cost: No additional  
Excursions: None anticipated

### Music

#### ACE Music

The year 10 ACE Music class is recommended for those students who have studied music electives in years 7/8 and year 9, and/or those who have some significant prior experience on an instrument and a good understanding of basic music theory. The course follows the same format as the other music electives, which includes practical work on an instrument of your choice, a music genre study, composition and theory, but these aspects will be studied in more depth in the ACE class. Students in the ACE class would also be given opportunities to perform outside the classroom setting.

Unit Repeatable: Yes  
Restrictions: Yr 10 only, by application  
Cost: No additional  
Excursions: Eligible for Arts Tour (\$400-\$500)



#### Music

These are structured music classes expanding on the Year 7/8 unit to increase students' understanding of the concepts of music performance and theory. Students will have the opportunity to complete self-paced practical work aimed at increasing performance skills on their chosen instrument. This is balanced with a range of theory lessons which will develop music-reading skills and composition skills, and students will also learn about and analyse a range of different musical styles as part of this theory component. Students are expected to perform in front of the class as part of their assessment for this course, and they are also encouraged to take advantage of opportunities to perform outside the classroom at school and public events.

Unit Repeatable: Yes  
Restrictions: No  
Cost: No additional  
Excursions: Eligible for Arts Tour (\$400-\$500)



## ARTS/TECHNOLOGY

### Photography

This course is designed to equip students with practical skills in digital image capture and establishing a digital workflow, and increase student knowledge of, and critical appreciation for, photography as a fine art medium. Students will gain skills in using camera controls effectively; understanding exposure and measuring light; managing the digital darkroom (including skills in RAW file processing, smart object workflow, organising and storing digital files), and image editing using Adobe software (including skills in colour and tonal correction, retouching, working with layers, selections, and layer masks, and basic composition). In both making and studying, students reference, analyse and interpret the practice of relevant photographers and digital artists, to develop their understanding and knowledge.

Unit Repeatable: Yes  
Restrictions: No  
Cost: No additional  
Excursions: Up to \$20 for Gallery visits  
Eligible for Arts Tour (\$400-\$500)



### Robotics

Students will explore the fundamentals of robotics concepts and design parallel to learning the underlying nature of computer programming. Through the use of Lego Mindstorms, students will be able to explore the creative side of engineering and robotics, allowing their skills and passion to grow as their confidence and ability increases. The programming language of Mindstorms is primarily based around a graphical interface, so that students can engage with the coding side with little to no barrier of entry, but rapidly increase their skills through practical applications. Students will begin by building simple line following robots, making use of the bare minimum of parts and sensors, while also only be required to enter basic programming commands. From there, they will explore options that will allow them to build robots that can dance to music, paint/draw, rescue a specific target and eventually compete against each other in a soccer match.

Unit Repeatable: No  
Restrictions: No  
Cost: No additional  
Excursions: None anticipated



## ARTS/TECHNOLOGY

### Visual Art

#### ACE Visual Art

The Academic Curricula Extension (ACE) course in Visual Art is a selective program open to students with a natural creative artistic ability. Participation in this program will provide an opportunity for the development of skills through a mix of visual enquiry, studio work, exhibition and critical reflection. Students will interact with new mediums and technologies and have the opportunity to exhibit their own work. Students will look at the various approaches artists have taken throughout art history to enhance their own practice. Emphasis will be on the development of their ideas through their Visual Arts Process Diary using the Solution Fluency process to research their ideas to gain a stronger understanding of their concepts and to extend their Visual Literacy. Entry to this course is via portfolio application per semester.

Unit Repeatable: Yes  
Restrictions: By application only  
Cost: No additional  
Excursions: \$20 for Gallery tours  
Eligible for the Arts Tour (\$400-\$500)

#### Ceramics

This class covers non-functional and functional ceramics and ways to use clay to create. Students create freestanding, handmade pieces using sculptural techniques, including coil building, form molding and carving and work with simple clay forms. They consider volume, weight, color, form, and texture while creating contemporary pieces. An essential component of this course is research and reflection, noted in your Visual Arts Diary. No prior experience necessary.

Unit Repeatable: No  
Restrictions: Semester 2  
Cost: No additional  
Excursions: None anticipated

#### Murals/Street Art

Join MHS mural workshop and learn the art of mural painting while creating a public mural in your community. In this class you get the opportunity to learn all aspects of mural painting. You will have the opportunity to understand the design process, how to layout a mural and paint it. Learn about the history of graffiti, street art, types of art, stencil and layers. An essential component of this course is research and reflection, noted in your Visual Arts Diary. No prior experience necessary.

Unit Repeatable: No  
Restrictions: Semester 2  
Cost: No additional  
Excursions: None anticipated

#### Painting

This class is an amazing adventure into the artists' world of painting. Students will learn to experiment with a variety of painting techniques and mediums and gain an artist's understanding of colour theory. They will be inspired to create their own masterpieces by learning about different styles of painting. An essential component of this course is research and reflection, noted in your Visual Arts Diary. No prior experience necessary.

Unit Repeatable: No  
Restrictions: Semester 1  
Cost: No additional  
Excursions: Eligible for the Arts Tour (\$400-\$500)

## ARTS/TECHNOLOGY

### Printmaking

Learn foundation skills applied in printmaking through a range of methods & techniques which include linocut, etching, monoprint and collagraphs. This course will provide you with an opportunity to develop your own visual ideas, and encourage creative freedom through the exploration of different printmaking media. An essential component of this course is research and reflection, noted in your Visual Arts Diary. No prior experience necessary.

Unit Repeatable: No  
Restrictions: Semester 1  
Cost: No additional  
Excursions: Eligible for the Arts Tour (\$400-\$500)



### Wood Design

Students have the opportunity to build on their practical woodworking skills through the construction of various different woodwork joints. They will then be able to either plan and construct a project that harnesses the newly acquired skills or complete one prescribed for them. The difficulty of the joints increases with each unit studied. In their 4th unit they may, under advisement, choose a self directed project which they must plan and construct. Safety is paramount to participation in these areas and will be revised and built upon each unit.

Unit Repeatable: Yes  
Restrictions: No  
Cost: No additional  
Excursions: None anticipated



## INDIGENOUS STUDY

### 8 Ways

This course is a great opportunity to discover and learn more about the longest surviving culture in the world. Aboriginal and Torres Strait Islanders are the first innovators, and their skills, knowledge and practices enabled them to thrive for over 60,000 years. This will be a semester long course and will be looking at Aboriginal and Torres Strait Islander culture and history, languages across the country, various arts, print making, song lines, stories, poetry, music, crafts, weaving, weaponry, Indigenous sciences, sport and bush foods. Through an exciting and innovative course, individual and/or group personalized projects will be explored and developed.

8 ways allows you to discover learning through narrative, visual processes, kinaesthetic skills, symbols and images, connection to land and place, lateral thinking, inquiry and applying learning to the local and wider community.

Unit Repeatable: Yes  
Restrictions: Aboriginal & Torres Strait Islander students prioritised  
Cost: No additional  
Excursions: None anticipated

## LANGUAGES

In Years 9 and 10, students can elect to continue the study of a language or begin a new language study. Studying languages can open up countless opportunities for students and help them develop a diverse understanding of culture.

Please note:

- Language studies in Years 9 & 10 are not available to native speakers of the target language
- Students cannot transfer into a language course mid-year
- Beginning language courses are for students who have not previously studied the language at a high school level
- Language units 1-4 are for students continuing their language studies from Years 7 and 8.

### Chinese

Mandarin Chinese is the second most spoken language after English in Australia. China is the second largest economy in the world and Australia's largest trading partner. The advantages and career opportunities involved with Chinese language studies are endless. Students will learn to communicate orally in predictable situations, exchanging information with others spontaneously. Students will learn to read and write simple hanzi characters and selected linked sentences in pinyin, using a variety of sentence structures. Cultural studies include practical application such as cooking Chinese food and dessert and engaging in Chinese arts including visual arts, music and dance. Extensive opportunities in competitions and excursions are available. In addition, students will have the first hand opportunity to put their language skills in practice through the biennial overseas trip to Taiwan.

Unit Repeatable: Yes, sequential  
Restrictions: Must start language in Semester 1  
Cost: \$20 for Language Perfect Subscription  
Excursions: Eligible for overseas trip to Taiwan in 2020 (approximately \$5000)



## LANGUAGES

### Indonesian

Indonesia is Australia's closest neighbour and a number one travel destination for many Aussies. Studying Indonesian at Melrose is beneficial for developing strong language skills and diverse cultural experiences. Topics may be negotiated with the students to assist them to explore complex aspects of Indonesian culture and history. Students learn to communicate in familiar situations using both oral and written Indonesian with reading and listening activities based on authentic resources from Indonesia. Classroom experiences are enriched further with workshops at the Indonesian Embassy, an Indonesian Assistant, a behind-the-scenes tour at the zoo, restaurant visits and more. A phonetic language and use of the Roman alphabet, makes Indonesian an easily accessible language for all students.

Unit Repeatable: Yes, sequential  
Restrictions: Must start language in Semester 1  
Cost: \$20 for Language Perfect Subscription  
Excursions: Eligible for overseas trip to Malaysia in 2020 (cost TBD)



### Japanese

Japanese is a language that is rich in history and culture. Whether it is for future job reasons or a simple love of Anime or Manga Japanese is the subject for you. Students will develop their written hiragana and katakana characters whilst also increasing their range of kanji characters. In continuing Japanese, students have Individual Learning Programs set out to personally identify their capabilities and develop their knowledge in all of the language areas. Practical experiences including restaurant visits, cooking, crafts and more are available. In addition, students will have the first hand opportunity to put their language skills into practice through the biennial overseas trip to Japan and the annual visit of Japanese students from the Makubetsu region.

Unit Repeatable: Yes, sequential  
Restrictions: Must start language in Semester 1  
Cost: \$20 for Language Perfect Subscription  
Excursions: None anticipated



# Year 9 & 10

## PHYSICAL EDUCATION

### Outdoor Education

This unit provides the opportunity for students to participate in a wide range of outdoor activities which vary each semester. During the semester, students will have the opportunity to participate in a number of enrichment excursions. These may include rockclimbing, top belay, absailing, caving, canyoning, ropes rescue, navigation, survival, firstaid, snorkeling, canoeing, surfing and Bronze Medallion. School based activities will include camp preparation, skill development, related theory and group preparation for the enrichment excursions. It is expected that students selecting this unit will show initiative, self-reliance and fully participate in the preparation and planning of the activities including curriculum excursions with the option of enrichment excursions. It is recommended that students participate in the enrichment excursions. However course learning and assessment can be completed without this but curriculum excursions are assessable.

Unit Repeatable: Yes  
Restrictions: No  
COST: Various depending on activity. Indicative prices include:  
\$40 curriculum excursions  
\$300 enrichment excursions  
\$60 First Aid  
\$60 Bronze medallion



### Sports Coaching

This class is for students who would like to develop coaching skills and work with younger children. Lessons are held at school and at local primary schools. Students develop skills through peer teaching and then progress to the primary schools later in the semester. Students learn to work together in peer coaching sessions and to work positively in groups with the primary age students.

Unit Repeatable: Yes  
Restrictions: No  
Cost: No additional  
Excursions: To local schools with no cost

## SCIENCE

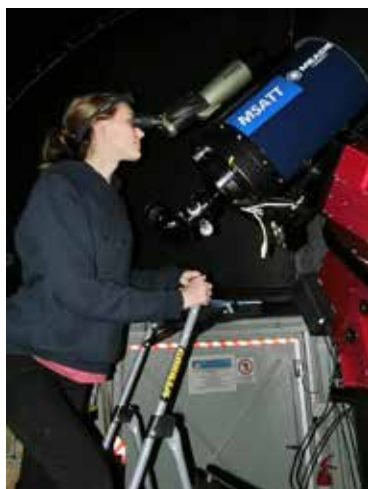
### Astronomy

Astronomy is the study of the universe and everything it contains. From the creation of black holes to the bizarre worlds being discovered every night, this course will take you on a tour of a cosmos you've never seen. Through a combination of presentations, activities, and Field Nights at Mount Stromlo Observatory, you'll be taken on an adventure through the solar system, out to the star forming regions of the Galaxy, and beyond to the beginning of the universe and the end of time.

Astronomy consists of four, independent one semester units. You can complete one semester as a stand-alone unit, or complete all four semesters over two years for a thorough understanding of the entire science.

Unit Repeatable: Yes, sequential  
Restrictions: No  
Cost: No additional  
Excursions: None anticipated

## SCIENCE



### Forensic Science

Forensic science is the application of scientific knowledge to questions of civil and criminal law. It is a course rich in exploration and lab investigation which applies many disciplines of scientific study such as Biology/Anatomy, Chemistry, Physics and Maths to solving crimes. This course is a lab-based, hands-on course that will explore what forensic scientists do. Students will learn modern forensic methods and use scientific methods to solve legal problems. The course will focus on collection and analysis of crime scene evidence and explore lab analysis techniques. This semester long unit in which each week will be focussing on a new topic and method of investigation. For example one week students will be learning about trace fibres and the methods that are used to identify them. The final weeks of the semester is intended to be set up as 'crime scene investigation'. A simulated crime scene will be set up and students will be asked to apply their knowledge and skills to solve the crime.

Unit Repeatable: No  
Restrictions: No  
Cost: No additional  
Excursions: None anticipated

### Medical Science

This elective is aimed toward students who would like to choose courses leading to the study of nursing, medical laboratory analysis, physiotherapy, paramedic, pharmacy, medical science, health science, dentistry or medicine. The course aims to extend students' knowledge in specific areas of science by the review of scientific and medical evidence and emphasis of the fundamental chemistry and biology that underpins fields of medical science. Students will develop knowledge of the structure and function of the human body from the atomic level and to the coordination of body systems. This elective will improve students' knowledge in medical chemistry and biochemistry, molecular biology including introduction to microbiology and haematology, molecular genetics, physiology, nutrition, pharmacology, toxicology, neuroscience and biotechnology.

Unit Repeatable: No  
Restrictions: No  
Cost: No additional  
Excursions: Non anticipated

# Year 9 & 10

## PLANNER

Use this planner to note the units you are interested in. Number them in order of preference, this will make it easier when you do your elective selections online.

| Unit                            | Notes          | Yr 9 Preference |            | Yr 10 Preference |            |
|---------------------------------|----------------|-----------------|------------|------------------|------------|
|                                 |                | Semester 1      | Semester 2 | Semester 1       | Semester 2 |
| CORE PE                         |                |                 |            |                  |            |
| Aspiring Athletes Program (AAP) | By Application |                 |            |                  |            |
| Dance                           |                |                 |            |                  |            |
| Femme Fit                       | Females only   |                 |            |                  |            |
| Fit for Life                    | By application |                 |            |                  |            |
| Physical Education              |                |                 |            |                  |            |
| Racquet Sports                  | Can't repeat   |                 |            |                  |            |
| Team Sports                     |                |                 |            |                  |            |
| Walk & Talk                     | Can't repeat   |                 |            |                  |            |
| Electives                       |                |                 |            |                  |            |
| Architecture 1                  | Can't repeat   |                 |            |                  |            |
| Architecture 2                  | Prerequisite   |                 |            |                  |            |
| Backstage Production            | Can't repeat   |                 |            |                  |            |
| Computer Science                | Can't repeat   |                 |            |                  |            |
| ACE Dance                       | By application |                 |            |                  |            |
| ACE Drama                       | By application |                 |            |                  |            |
| Drama                           |                |                 |            |                  |            |
| Creative Crafts                 | Can't repeat   |                 |            |                  |            |
| Seasonal Wear                   | Can't repeat   |                 |            |                  |            |
| Formal Wear                     | Prerequisite   |                 |            |                  |            |
| Cultural Cuisine                | Can't repeat   |                 |            |                  |            |
| Delicious Desserts              | Can't repeat   |                 |            |                  |            |
| Festive Baking                  | Can't repeat   |                 |            |                  |            |
| Entertaining & Hospitality      | Can't repeat   |                 |            |                  |            |

# Year 9 & 10

## PLANNER

| Unit              | Notes                               | Yr 9 Preference |            | Yr 10 Preference |            |
|-------------------|-------------------------------------|-----------------|------------|------------------|------------|
|                   |                                     | Semester 1      | Semester 2 | Semester 1       | Semester 2 |
| Graphic Design    | Can't repeat                        |                 |            |                  |            |
| Industrial Design | Can't repeat                        |                 |            |                  |            |
| Interior Design   | Can't repeat                        |                 |            |                  |            |
| Journalism        | Semester 2                          |                 |            |                  |            |
| Metal Design      |                                     |                 |            |                  |            |
| ACE Music         | By application                      |                 |            |                  |            |
| Music             |                                     |                 |            |                  |            |
| Photography       |                                     |                 |            |                  |            |
| Robotics          | Can't repeat                        |                 |            |                  |            |
| ACE Visual Art    | By application                      |                 |            |                  |            |
| Ceramics          | Semester 2                          |                 |            |                  |            |
| Murals/Street art | Semester 2                          |                 |            |                  |            |
| Painting          | Semester 1                          |                 |            |                  |            |
| Printmaking       | Semester 1                          |                 |            |                  |            |
| Wood Design       |                                     |                 |            |                  |            |
| 8 Ways            | ATSI students prioritised           |                 |            |                  |            |
| Chinese           | Must start a language in Semester 1 |                 |            |                  |            |
| Indonesian        | Must start a language in Semester 1 |                 |            |                  |            |
| Japanese          | Must start a language in Semester 1 |                 |            |                  |            |
| Outdoor Education |                                     |                 |            |                  |            |
| Sports coaching   |                                     |                 |            |                  |            |
| Astronomy         |                                     |                 |            |                  |            |
| Forensic Science  | Can't repeat                        |                 |            |                  |            |
| Medical Science   | Can't repeat                        |                 |            |                  |            |