



Melrose High School

Years 9 and 10 Elective Handbook

2017



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CURRICULUM STRUCTURE

Students commencing Year 9 or Year 10 in 2017 will study seven subjects in each of the two semesters in the year. In making decisions about units of study, students should:

- Understand that they are choosing subjects as part of a two year program of study;
- Pursue units in which they are interested 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.

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 English, Mathematics, Science, SOSE and PE completing two semester units in each of these subject areas each year. English, Mathematics, Science and SOSE classes are streamed and students will be placed into classes based on their demonstrated ability and performance. In PE, students will be able to choose from a range of units that cater to their ability and interest. This booklet also contains information about these options. To complete their program of study in Years 9 and 10, students will select their remaining semester units from the Arts, Languages and Technology learning areas, as well as Leadership and Special Interest units.

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 and on the last page is a Program Planner.

At Year Assemblies students will receive important information from the various learning areas about the courses and units on offer. Students will then receive a letter outlining the details of the new online selection process. Students who do not have access to this site will be given a 2017 Semester 1 and 2 Selection Sheet. Students must ensure that they complete and submit their choices by the due date. You should keep this handbook for your future reference.

To ensure that the selection process provides the best opportunities and outcomes for each student, we encourage students and their parents/carers to make contact with teaching staff in the various learning areas to obtain further details or to discuss selection options.

What do students need to do now?

- Read the information contained in this handbook. If you require further information about courses and units you should approach a teacher in that learning area.
- Discuss your preferences with your parent / carer.
- Complete your Program Planner.
- Make sure that your final *selections are approved by your parents.*
- Complete your *2017 Semester 1(or 2) Selection online or your hard copy Selection Sheet by the due date.*

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 photocopy sheets, internet downloads, cooking ingredients, art and wood supplies, chemicals and subscriptions are used to enhance the range of learning experiences. The consumable contribution sought in each elective is listed under the Unit Cost.

THE ARTS

COURSES AVAILABLE					
<i>VISUAL ART</i>	<i>GRAPHIC DESIGN</i>	<i>MEDIA</i>	<i>DANCE</i>	<i>DRAMA</i>	<i>MUSIC</i>

<i>VISUAL ART</i>

Students studying visual arts have the opportunity to work in a range of mediums over the course of the year. Emphasis will be on the development of their ideas through their visual arts process diary (VAPD) and to extend their visual literacy. For the study of art history students will explore artists from the past and present, both Australian and International, looking at them both for ideas on technique and for inspiration. Students will look at the various approaches artists have taken throughout art history to enhance their own practice. Opportunities for students to attend various Canberra and state galleries will be presented throughout the semester.

Art Unit 1 – Painting and Drawing	Both Semesters
<p>This semester students will have the opportunity to focus on developing their skills and techniques with painting and drawing mediums. Students will be introduced to techniques and skills in the areas of watercolour, acrylic, oil, gouache paint and drawing. Students will explore different techniques in each of these painting and drawing areas to produce small examples. They will then take this new knowledge and produce major works exploring various themes. The development of drawing skills will be an integral part of producing major and minor works..</p>	
Unit Cost: \$30.00 per semester	

Art Unit 2 – Printmaking and Drawing	Both Semesters
<p>This semester students will have the opportunity to focus on developing their skills and techniques with printmaking and drawing mediums. Students will be introduced to techniques and skills in the areas of monoprint, drypoint and lino printing. The development of drawing skills will be an integral part of producing major and minor works. Students will explore different techniques in each of these printmaking and drawing areas to produce small examples. They will then take this new knowledge and produce major works exploring various themes.</p>	
Unit Cost: \$30.00 per semester	

Art unit 3 – Sculpture and drawing	Semester 1
<p>This semester students will have the opportunity to focus on developing their skills and techniques with a range of sculpture and drawing mediums. the development of drawing skills will be an integral part of producing major and minor works. Students will explore different techniques and use this new knowledge and to produce major works exploring various themes.</p>	
Unit Cost: \$30.00 per semester	

Art unit 4 – Major Works and Murals	Semester 2
<p>This semester students will explore and develop their ideas through a design process to create a major work or school mural. Students will have the opportunity to work independently and develop their ideas through the use of a Visual Arts Process Diary. They will be exposed to the many ways artists have approached art making through the history and develop an understanding of their techniques.</p>	
Unit Cost: \$30.00 per semester	

<i>GRAPHIC DESIGN</i>

Graphic Design Unit 1 – 4	Both Semesters
<p>Graphics are all around you - print media, Internet, TV, packaging, and the document you're reading now. As our world becomes increasingly visual, graphics are impacting how information is delivered. This course provides experiences for students to use image, type, colour, illustration, and photography to create dynamic media using Adobe Creative Suite. Students will be equipped with the knowledge and skills to understand design principles and processes, analyse problems and possibilities, and devise innovative strategies within design contexts.</p> <p>This course is designed for students who are interested in expressing themselves visually and digitally. In this class students will learn about graphic design principles, creative and expressive typography, page layout, and digital image manipulation through the completion of both print and multimedia based assignments. Projects may include, but are not limited to the creation of logos, posters, ads, magazine spreads, information graphics, book covers, animations and websites.</p> <p>Each unit is independent and students can elect to join the course at the beginning of any semester in Years 9 or 10. Each course is tailored individually, dependent on student's individuals skills and interests.</p>	
Unit Cost: \$30 per semester	

MEDIA

Magazine Production Units 1-4

Both Semesters

In this unit students are engaged in the rich task environment of producing and publishing the Melrose High School Magazine.

In this class students take on roles as reporters, photographers, journalists, graphic designers, web technicians and editors to produce and publish a school magazine and Year 10 supplement that is published and sold to the school community at the end of each year.

Unit Cost: \$30.00 per semester

DANCE

Dance Unit 1 - 4

All Semesters

These are structured dance classes expanding on the Year 7/8 unit to increase students' understanding of dance elements, skills, techniques and choreography. Each unit is independent and students can elect to join the course at the beginning of any semester in Years 9 or 10. For example, students may select to do just one unit throughout the two years or complete a two-year course in dance.

The units aim to increase student understanding and practice of dance skills as well as developing practical dance technique skills relevant to the unit being studied. Performance, choreography and planning skills are developed through dance production. Students will create group and individual dance works and will showcase group performances at a variety of school events.

The units include some theoretical learning within the context of the practical classes to enable students to gain a contextual and aesthetic understanding of dance, to use appropriate language to describe, respond to, and reflect on dance works as well as gain an articulated knowledge of safe dance practices and techniques.

One unit will be offered each semester from the list below on a rotating basis.

Unit Cost: \$20.00 per semester

Dance Elements – This unit explores basic dance techniques and dance making skills.

Dance and Media – A study of the different ways dance has been used in correlation with media productions and the development of group pieces, which will be adapted into media items. (Eg film, photography, calendars, books, posters). In this unit there may be the opportunity to collaborate with students in media classes.

Dance and other Art Forms – A study of the way in which other art forms can inform and inspire the creation of dance. Students will use such stimulation as poetry, literature, visual art and a range of music to create dance works.

Dance Production – An in depth study of all aspects of dance production from lighting to costumes and staging.

DRAMA

Drama Unit 1

Yr 9 Semester 1

Drama Unit 2

Yr 9 Semester 2

Improvisation, movement, characterisation, monologues, community performances, issues-based drama, Shakespearean dialogue, stage fighting and soliloquies are examples of the units studied. In these units, students develop confidence, stagecraft and performance skills and develop dedicated work and team habits.

Unit Cost: \$20.00 per semester

Drama Unit 3

Yr 10 Semester 1

Drama Unit 4

Yr 10 Semester 2

These units are for continuing or new students. Comic timing, script work, character work, improvisation, play building, puppetry and voice work are all examples of the units studied. Continuing students will be involved in more advanced performance work for an outside audience including children's theatre and teaching drama in primary schools as well as the Mindmatters Drama Festival.

Unit Cost: \$20.00 per semester

Performance Drama ACE Unit 1

Yr 10 Semester 1

Performance Drama ACE Unit 2

Yr 10 Semester 2

These are advanced performance units for Year 10 students. This Gifted and Talented program includes script evenings, community performances and culminates in a full scale major production. Full commitment and dedication by all students are essential. Entry is by audition only.

Unit Cost: \$20.00 per semester

MUSIC

Music Units 1-4

All Semesters

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. There are opportunities for students with more musical experience to extend themselves through learning different instruments or extending their existing repertoire. Students are also expected to participate in performances outside the classroom as part of this course.

Unit Cost: \$30.00 per semester

LANGUAGES

COURSES AVAILABLE

CHINESE

INDONESIAN

JAPANESE

CHINESE

Beginning Chinese Unit 1-4

Yr 9 and Yr 10

The unit is designed for Year 9 and 10 students who have no or little knowledge of Chinese and who wish to expand their language skills through the study of Mandarin Chinese. Students are expected to communicate orally in predictable situations, exchanging information with others spontaneously, where required. Students will learn to read and write simple hanzi characters, using a variety of sentence structures when writing for their own purposes. Students are expected to read and understand familiar texts on a variety of topics. Socio-cultural research is designed to demonstrate the students' ability to research more complex aspects of Chinese culture and history and to express opinions about their findings. In addition, students will have the first hand opportunity to put their language skills in practice through the biennial overseas trip to Taiwan.

Unit Cost: \$10 per semester

Chinese Unit 1 (Not Available for Native Chinese Speaking Students)

Yr 9 Semester 1

Chinese Unit 2 (Not Available for Native Chinese Speaking Students)

Yr 9 Semester 2

Chinese units 1 and 2 are designed for students wishing to build on the work completed in Years 7 and 8. Emphasis is given to the further development of oral and written communication skills in the language and students are expected to participate in predictable social situations, provide appropriate information about topics and convey information in pinyin. Students learn to expand their repertoire of characters, to read and write selected characters and to identify main ideas in written texts on familiar topics. Socio-cultural research focuses on specific, more complex aspects of Chinese culture and on varied presentation of such research. In addition, students will have the first hand opportunity to put their language skills in practice through the biennial overseas trip to Taiwan.

Unit Cost: \$10 per semester

Chinese Unit 3 (Not Available for Native Chinese Speaking Students)

Yr 10 Semester 1

Chinese Unit 4 (Not Available for Native Chinese Speaking Students)

Yr 10 Semester 2

Chinese units 3 and 4 build on the skills and competencies acquired in previous units. At the completion of these units, students will be prepared for further studies at continuing level at College. Students are expected to participate actively in spoken exchanges on familiar topics, write selected linked sentences in pinyin or characters and read familiar texts (in characters), identifying main ideas independently. Students' cultural knowledge is further enhanced and they are expected to demonstrate sound research skills and a deeper understanding of life in China, being able to identify and explain more complex aspects clearly. In addition, students will have the first hand opportunity to put their language skills in practice through the biennial overseas trip to Taiwan.

Unit Cost: \$10 per semester

INDONESIAN

Beginning Indonesian Unit 1

Yr 9 and Yr 10

This unit is designed for students with little or no previous knowledge of Indonesian and who wish to expand their language skills through the study of Indonesian. Students are expected to communicate orally in predictable situations, exchanging information with others spontaneously, where required. Students will master a variety of sentence structures when writing for their own purposes. Students are expected to read and understand familiar texts on a variety of topics. Socio-cultural research is designed to demonstrate the students' ability to research more complex aspects of Indonesian culture and history and to express opinions about their findings.

Unit Cost: \$10 per semester

**Indonesian Unit 1
Indonesian Unit 2**

Yr 9 Semester 1

Yr 9 Semester 2

Indonesian units 1 and 2 are designed for students wishing to build on the work completed in Years 7 and 8. The units are sequential and students selecting Indonesian are encouraged to study the language for a full year. The course is designed to further students' communication ability in both spoken and written language. Cultural assignments as well as listening and reading comprehension form part of the students' assessment. Students are expected to demonstrate an increasing ability to exchange information on a variety of familiar topics, expand their knowledge of socio-cultural issues and communicate competently within predictable situations.

Unit Cost: \$10 per semester

**Indonesian Unit 3
Indonesian Unit 4**

Yr 10 Semester 1

Yr 10 Semester 2

Indonesian units 3 and 4 build on skills and competencies acquired in previous units. At the completion of these units, students will be prepared for further studies at continuing level at College. Topics covered may be negotiated with the students and are designed to further enhance students' knowledge on Indonesian language and culture. Students are expected to use the language competently and increasingly for their own purposes in both written and spoken communication. Reading and listening comprehension activities are based on authentic resources from Indonesia. Students research socio-cultural, historical and contemporary issues in Indonesia in more depth, presenting their findings creatively.

Unit Cost: \$10 per semester

JAPANESE

Beginning Japanese Unit 1

Yr 9 and Yr 10

This unit is designed for students with little or no knowledge of Japanese and who wish to expand their language skills through the study of Japanese. Students are expected to communicate orally in predictable situations, exchanging information with others spontaneously, where required. Students will master all hiragana/katakana characters and selected kanji characters, using a variety of sentence structures when writing for their own purposes. Students will read and understand familiar texts on a variety of topics. Socio-cultural research is designed to demonstrate the students' ability to research more complex aspects of Japanese culture and history and to express opinions about their findings. In addition, students will have the first hand opportunity to put their language skills in practice through the biennial overseas trip to Japan.

Unit Cost: \$10 per semester

Japanese Unit 1 (Not Available for Native Japanese Speaking Students)

Yr 9 Semester 1

Japanese Unit 2 (Not Available for Native Japanese Speaking Students)

Yr 9 Semester 2

Japanese 1 and 2 units are designed for students wishing to build on the work completed in Years 7 and 8. Students are expected to communicate orally in predictable situations, exchanging information with others spontaneously, where required. Students will use hiragana/katakana characters and selected kanji characters, to compose a variety of sentence structures when writing for their own purposes. Students are expected to read and understand familiar texts on a variety of topics. Socio-cultural research is designed to demonstrate the students' ability to research more complex aspects of Japanese culture and history and to express opinions about their findings.

Unit Cost: \$10 per semester

Japanese Unit 3 (Not Available for Native Japanese Speaking Students)

Yr 10 Semester 1

Japanese Unit 4 (Not Available for Native Japanese Speaking Students)

Yr 10 Semester 2

Japanese units 3 and 4 build on the skills and competencies acquired in previous units. At the completion of these units, students will be prepared for further studies at continuing level at College. In oral communication, students are expected to use an expanding repertoire of phrases and be able to speak spontaneously and with considerable competence about a range of topics. Students will write all hiragana and katakana characters accurately and an increasing range of kanji characters, using script in a variety of sentence structures. Students are further able to respond to a variety of texts, identifying key information with some support. Socio-cultural research focuses on presenting increasingly complex research on varied and more sophisticated aspects of Japanese culture and history. In addition, students will have the first hand opportunity to put their language skills in practice through the biennial overseas trip to Japan.

Unit Cost: \$10 per semester

TECHNOLOGY

INFORMATION TECHNOLOGY

The philosophy underpinning all technology courses is the Design, Make and Appraise process. In each course studied students will have the opportunity to apply this process throughout the semester.

Certificate I in Information Technology (Computer Applications)

Yr 10 Semester 2

This unit is for Year 10 students only. Upon successful completion of this unit students will receive the industry recognised qualification of Certificate 1 in Information Technology. Students who do not complete the certificate will receive a Statement of Attainment. The course covers word processing, spreadsheets, database applications, presentation packages, email and Internet searching. This is an excellent unit for expanding student knowledge of the computer. It is highly relevant to schoolwork and almost any vocational direction a student may be considering. It provides an excellent base for any subsequent unit in Information and Communication Technology.

Unit Cost: \$20.00 per semester

Multimedia: Still images

Semester 1

Students who elect this course will have the opportunity to study stop motion animation, how images, audio and text are used together to convey meaning to the audience and digital image making and manipulation. The first term students can choose to work in a group to investigating stop motion animation techniques such as those used in Wallace and Gromit or work individually to investigate how images, audio and text can be used together to tell a story and evoke emotion in the viewer. They will design, develop and produce a finished media product. Throughout the second term students will investigate digital image making and manipulation to create original art or design works. Students will develop an understanding of raster and vector files and the various digital formats of still images.

Unit Cost: \$30.00 per semester

Multimedia: Moving Images

Semester 2

Students who elect this course will study design principles, computer animation and film production. During the first term students will work in groups to construct storyboards and scripts, record a live action film using digital video cameras and edit the production into a finished short film. For the second term students will investigate the design principles and as individuals create short computer-animated films using programs such as Adobe Animate CC 2015 .

Unit Cost: \$30.00 per semester

Web Design and Development

Semester 1

Students who elect this course will learn how to create static web pages from HTML code and through applications. Students will study HTML tagging for building their own web pages using HTML and constructing a website. Students will then investigate website construction using another application such as Dreamweaver. Projects within this course are skill specific. As a result the content of the websites is negotiated between individual students and the teacher.

Unit Cost: \$20.00 per semester

3D Animation

Semester 2

Students who elect to study 3D Animation will immerse themselves in a world of imagination and creativity. Students will learn the skills to model, animate, texture and render 3D objects and scenes, creating their own short movies and animations. Depending on time, students will also have the opportunity to create, animate and morph fictional characters.

Unit Cost: \$20.00 per semester

Games Programming

Semester 1

Students delve into the world of simple games programming while learning algorithm design and problem solving. Students build knowledge of analysis and solution of problems, basic control structures and pseudocode for implementing their solutions to create games using GameMaker. Students who are interested in programming will require a good knowledge of Mathematics.

Unit Cost: \$10.00 per semester

ACE IT

Yr 10 Semester 2

Students will be given the opportunity to select and design a project of their own based on their interests and what they want to learn. They will need to identify their goal, the process required to meet the goal, a timeline and targets to meet for assessment. Throughout the process the students will be required to keep a journal of their work, reflecting on their progress, challenges and achievements. At the end of the unit students will present the process of their project to their peers. Entry is by application only.

Unit Cost: \$10.00 per semester

TECHNOLOGY

The philosophy underpinning all technology courses is the Design, Make and Appraise process. In each course studied students will have the opportunity to apply this process throughout the semester.

FOOD TECHNOLOGY

METAL TECHNOLOGY

TEXTILES

WOOD TECHNOLOGY

FOOD TECHNOLOGY

Entertaining and Hospitality

Both Semesters

This unit will introduce students to entertaining while gaining knowledge of food preparation, food services and presentation. Students will learn time and management skills and take responsibility for meeting deadlines for the completion of work. The art and principles of entertaining will be examined for both formal and informal functions. This is a very important unit for students looking for a career in the Hospitality Industry or wishing to find out about how to entertain successfully. There is a 60/40 split of theory and practical lessons.

Unit Cost: \$40.00 per semester

Food Studies

Both Semesters

This unit will examine the changing food needs of individuals, from babies to the elderly. It examines issues such as why we eat, how our body uses food and the classification and breakdown of different food groups. Consideration is given to the healthy planning and hygienic preparation of meals. There is a 60/40 split of theory and practical lessons.

Unit Cost: \$40.00 per semester

International Cooking

Both Semesters

As the name implies, this unit examines the foods, culture and customs of many different countries. It covers the influence of migration on Australian eating habits as well as investigating traditional Aboriginal food. There is a 60/40 split of theory and practical lessons. This is a popular unit for students considering a career in the food industry as well as those with a general interest in cooking.

Unit Cost: \$40.00 per semester

Baking for Beginners

Both Semesters

A fun subject with both practical and theory components exploring Baking skills and techniques. Learn to prepare food from both sweet and savoury categories with recipe development focusing on healthier and sustainable options. Lots of opportunities for creativity.

Unit Cost: \$40.00 per semester

TEXTILES

Creative Textiles

Semester 1

Creative Crafts

Semester 2

These units offer students the chance to use the design process to create unique, individual textile pieces. The areas covered may include marbling, silk painting, block printing, patchwork, knitting, tie-dyeing, appliqué and quilting. This is a practical unit aimed at students who would like to develop the skills necessary to produce a folio of creative work in Years 11 and 12. Students may supply their own choice of fabric and wool for these units.

Unit Cost: \$30.00 per semester

Leisure Wear – Design and Marketing

Both Semesters

This is a practical unit that covers construction of a simple, leisure wear garment. Students will also explore marketing, logos and other applications that make a garment popular. Using the design process and computer related applications where possible, the students will create unique solutions to set tasks. This will enable the students to develop the skills necessary to produce a body of creative work in Years 11 and 12.

Unit Cost: \$30.00 per semester

Fashion and Design

Yr 10 Both Semesters

Pre-requisite: Satisfactory completion of at least one unit from Creative Crafts, Creative Textiles or Leisure Wear. In this advanced practical unit, students will have the opportunity to explore the industry of fashion and design. They will use the design process to produce a folio of work resulting in the students creating their own unique fashion garment, exploring the designing of clothes and how this can be interpreted into a wearable garment. There is a theory component that complements the practical work, with students developing skills and an understanding of the textiles industry.

Unit Cost: \$30.00 per semester

WOOD TECHNOLOGY

Woodwork Units 1-4

All Semesters

In these units students will be given the opportunity to choose from a variety of projects set by the teacher or, depending on skill level, be given the opportunity to design their own pieces of work. This could include wood sculpture, furniture making, kitchen items, clock making, woodturning and carving. A variety of other materials could be incorporated into designs. The emphasis is on practical work and might include some cost for materials depending on choice.

Unit Cost: \$40.00 per semester

METAL TECHNOLOGY

Metalwork Unit 1 -4

All Semesters

In these units students will be given the opportunity to choose from a variety of projects set by the teacher or, depending on skill level, be given the opportunity to design their own pieces of work. This could include sheet metalwork, welding and fabricating, art metalwork, jewellery making, fitting, machining and blacksmithing processes. A variety of other materials could be incorporated into designs. The emphasis is on practical work and might include some cost for materials depending on choice.

Unit Cost: \$40.00 per semester

SPECIAL INTEREST UNITS

SPECIAL INTEREST

Sustainability

Year 9 and 10 Both Semesters

The aim of this class is for students to learn about local and global sustainability issues; to develop a plan for sustainability projects within the school and then the implementation of these projects (upon approval). This class would be responsible for recycling in the school as well as developing and maintaining the new garden area. This garden will supply other faculties with fresh produce/ herbs for use in their cooking classes.

Students will negotiate the content of this unit by developing sustainability projects that cater for identified needs in the school and local community. In this way students will be working on tasks that are relevant to them and cater for their specific skills and talents. Participation in this course will encourage students to work effectively and efficiently in a group situation, as well as learn workplace skills such time management, Workplace Health and Safety, effective communication and a positive work ethic.

Each semester the class will have a major assessable project. In 2013, this was the Canberra Centenary Project: "2020 Vision: How will we change" (run by See-Change). This course relates to the National Curriculum cross-curricula priority: "Positive and realistic ways to act for an environmentally sustainable future".

Unit Cost: \$20.00 per semester

Astronomy

Year 9 and 10 Both Semesters

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 of Astronomy as a stand-alone unit, or complete all four semesters over two years for a thorough understanding of the entire science. Astronomy is a science elective for anyone with curiosity – regardless of academic ability – to learn about space, time, and the nature of the cosmos.

Unit Cost: Nil

Medical Science (Subject to Board approval)

Year 9 and 10 Both Semesters

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 Cost: \$40.00 per semester

Forensic Science (Subject to Board approval)**Year 9 and 10 Both Semesters**

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 (such as serology, toxicology, entomology, odontology and trace evidence), and explore lab analysis techniques, (such as chromatography, DNA analysis, fingerprinting, and hair and footprint analysis). 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 with be set up and students will be asked to apply their knowledge and skills to solve the crime.

Unit Cost: \$40 per semester

PHYSICAL EDUCATION HEALTH AND SPORT

YEAR 9 AND 10 CORE PHYSICAL EDUCATION

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.

Health, Sports Search/Fitness Testing and Cross Country.

Health, Social Dance and Athletics.

Health, Sports Search/Fitness Testing and Cross Country.

Health, Social Dance and Athletics

Physical education (Core)**Both Semesters**

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.

Total cost: Nil**Fit For Life (Core)****Both Semesters**

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, health education and will include core curriculum units of work including cross country, social dance, and athletics

Total cost: Not exceeding \$250 Money for this course is only paid to the Club Lime Gym and students will have access to this facility during class time and outside of class time. Information about payments is provided in a letter home before activities take place.

Racquet Sports (Core)**Both Semesters**

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.

Total Cost: Not exceeding \$32. Money for this course is only paid to the Woden Squash Centre who is providing specific services at a venue off site. Information about payments is provided in a letter home before activities take place.

Team Sports (Core)**Both Semesters**

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.

Total Cost: Nil**Walk and Talk (Core)****Both Semesters**

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.

Total Cost: Not exceeding \$16 for bus fares**Femme Fit (Core)****Both Semesters**

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.

Total Cost: Approximately \$50.00

YEAR 9 AND 10 ELECTIVE PHYSICAL EDUCATION

Sports coaching (Elective)

Yr 10 ONLY – Semester 2

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 Cost: \$20.00 per semester Extra Cost: Approximately \$20.00 for curriculum excursions

ESP (Elite Sports program) (Elective)

Year 9 and 10 Both Semesters

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 ESP teacher, and practical sessions at the local gym and at school.

Total cost: Approximately \$230.00 - \$330 for 6-12 month gym membership and ESP shirt.

OUTDOOR EDUCATION UNITS

Outdoor Education 1

Year 9 Semester 1 ONLY

This unit provides the opportunity for students to participate in a wide range of outdoor activities. During the semester, students will have the opportunity to participate in two enrichment excursions: Canoeing (Term 1), Rock climbing, top belay and abseiling (Term 2).

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.

Total Cost: Approximately \$40 for curriculum excursions and \$300 for each enrichment excursion.

Outdoor Education 2

Year 9 and 10 Semester 2 ONLY

This unit provides the opportunity for students to participate in a wide range of outdoor activities. During the semester, students will have the opportunity to participate in two enrichment excursions; Navigation / survival / First Aid (Term 3), Mountain Biking (Term 4).

School based activities will include navigation/orienteering, camp preparation, swimming, canoeing, mountain bike maintenance and skills, 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.

Total Cost: Approximately \$30 for curriculum excursions. \$200 for Survivor, \$100 per MTB day trip 3 in total enrichment excursions, optional \$60 for First Aid Certificate enrichment activity.

Outdoor Education 3

Year 10 Semester 1 ONLY

This unit provides the opportunity for students to participate in a wide range of outdoor activities. During the semester, students will have the opportunity to participate in two enrichment excursions: Snorkelling and Bronze Medallion, and Self belaying, abseiling and caving.

School based activities will include camp preparation, swimming, snorkelling, 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.

Total Cost: Approximately \$40 for curriculum excursions, optional \$60 for bronze medallion and \$350 for each enrichment excursion.

Outdoor Education 4 (ACE)

Year 10 Semester 2 ONLY

This unit provides the opportunity for advance students to participate in an in-depth study of roping activities. They must have completed a roping unit to a high standard previously. During the semester, students will have the opportunity to participate in an enrichment excursion: Canyoning and advanced vertical caving and rope rescue.

School based activities will include abseiling and advanced vertical ropes, camp preparation, 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 with the option of an enrichment excursion. It is recommended that students participate in the enrichment excursion but places are limited for safety reasons. However course learning and assessment can be completed without this.

Total Cost: Approximately \$40 for curriculum excursions and \$450 for the enrichment excursions. ACE Outdoor Education students are eligible to attend other enrichment excursions in Outdoor Education classes which are approximately \$450 each.

Years 9 and 10

Electives & PE Planner

(Language students may be granted exemptions by the Deputy Principal)

- Discuss your choices with your parent/carer(s) and Roll group teachers

	Elective 1	Elective 2	PE
Year 9 Semester 1			
1st choice			
2nd choice			
Year 9 Semester 2			
1st choice			
2nd choice			
Year 10 Semester 1			
1st choice			
2nd choice			
Year 10 Semester 2			
1st choice			
2nd choice			