

2018 HANDBOOK

Middle Years



MILL PARK
SECONDARY COLLEGE



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MIDDLE YEARS 2018 HANDBOOK

Respect
Achievement
Responsibility
Enjoyment

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Introduction

This book contains information about your Year 9 Core subjects as well as the electives offered in 2018.

Core subjects offered are:

- English
- Humanities
- Maths
- Science
- Physical Education
- Pastoral

A number of additional co-curricular activities are also offered at Year 9.

Year 9 Core Subjects 2018

ENGLISH

Aim:

In Year 9 English, you will:

- Listen to, read, view, speak, write, create and reflect on increasingly complex and sophisticated spoken and written texts across a range of contexts
- Appreciate, enjoy and use the English language in all its variations and develop a sense of its richness and power to explain feelings, convey information, form ideas, facilitate interaction with others, entertain, persuade and argue
- Have an interest in texts, through the study of different text types, and develop an informed appreciation of literature.

Content:

The main areas of content you will explore in English are Media and Issues, Persuasive Writing, Literature Analysis, Creative Writing and analysing movies.

Assessment:

- Bookwork and activities
- Text Response Essays
- Writing Tasks
- Oral Presentations

English

Resources:

- Exercise book
- Display Folder
- Lever-arch folder with: looseleaf, plastic pockets and dividers
- Texts - see Booklist
- Pencil case with pens, pencils, and other stationery

Year 9 Core Subjects 2018

HUMANITIES

Aim:

Humanities is an extremely broad subject that looks at History, Geography and Economics.

It will help you understand how and why groups of people settled where they did, organised their societies, got rich (or poor), made friends (or enemies) and modified the natural environment to suit their own needs.

Content:

The first semester of Humanities is History. Your focus will be on the making of the modern world (from 1750 to 1918), investigating the reasons people moved around the globe in this era, the making of the Australian nation and our involvement in World War One.

Term 3 looks at Geography. You will learn how we are all connected, the importance of trade, how food is produced and how we can combat world hunger and other global issues.

Term 4 focuses on Economics. Through this unit you will discover the world of work, businesses and money and learn how people find jobs, what jobs there are, the rights of workers and consumers, budgeting and the stock market.

Assessment:

- Bookwork and activities
- Research Task
- Communication Task
- Timed Exercises

Resources:

- Exercise book
- Prescribed Textbook
- Pencil case with pens, pencils, ruler, glue, scissors and other stationery

Humanities

Year 9 Core Subjects 2018

MATHEMATICS

Aim:

This subject aims to combine a range of teaching methods and classroom practices with an online learning environment to support individualised learning for each student. This includes developing their problem solving; independent learning and group work skills and helping students develop a growth mindset towards their mathematics learning.

Content:

In this subject you will be using an online textbook and assessment system called Maths Pathways. Maths lessons will be tailored to precisely what each individual student is ready to learn. Some students will be filling in gaps in prior learning or working on extension activities. Students will complete work individually in their maths exercise book, guided by questions and videos. Every fortnight, students will sit a maths test relating only to what they have been working on. Time will also be spent every fortnight working on Rich Tasks, which have a focus on problem solving and real world applications. These Rich Tasks can be completed individually and in small groups. Students will also focus on building a growth mindset towards their maths learning.

Assessment:

- Workbook
- Rich Tasks
- Rich Task Project

Resources:

Students will be required to bring their device (i.e. laptop, iPad) to each lesson and purchase the program 'Maths Pathways', a scientific calculator, notebooks and assorted stationery items. Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

Maths

Year 9 Core Subjects 2018

PHYSICAL EDUCATION

Aim:

To develop both fine and gross motor skills, fitness, teamwork and strategic thinking across a range of sports and an understanding of theory concepts related to the learning of fitness components, training principals and methods of training.

Content:

In this subject you will participate in a range of sports, focusing on developing both your fine and gross motor skills, teamwork and team strategy/tactics. You will also improve your physical fitness, through specific testing, understanding of health and skill related fitness components and investigating both training principals and methods. You will explore the factors that affect physical activity participation by exploring the potential barriers to physical activity and investigate ways to enhance the health and wellbeing of the community.

Assessment:

- Practical participation
- Practical Skill achievement
- Theory

Resources:

- Provided by the school

There is a 'materials and resources' cost associated with this subject. The Parent Supported Materials sheet including this cost will be distributed in Term 4. Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

Physical Education

Year 9 Core Subjects 2018

SCIENCE

Aim:

This subject aims to allow students to further their understandings and knowledge in Biology, Chemistry, Physics and Earth Science.

Content:

In Year 9, you will consider the operation of systems at a range of scales. You will explore ways in which the human body as a system responds to its external environment and the interdependencies between biotic and abiotic components of ecosystems. You will be introduced to the notion of the atom as a system of protons, electrons and neutrons, and how this system can change through nuclear decay. You will understand how matter can be rearranged through chemical change and that these changes play an important role in many systems. You will be introduced to the concept of the conservation of matter and begin to develop a more sophisticated view of energy transfer. You will apply your understanding of energy and forces to global systems such as continental movement.

Assessment:

- Practical Reports
- Tests
- Projects

Resources:

- Prescribed Textbook
- Two A4 Notebooks
- Pencil case with pens, pencils, and other stationery

Science

Year 9 Core Subjects 2018

PASTORAL

Aim:

Pastoral is designed to allow you to discuss, research and debate issues around your personal health, relationships and future careers.

Content:

You will learn about various topics including:

- Relationships
- Sex, sexuality and gender
- Sexual health
- Careers and subject selection preparation
- First Aid
- Occupational Health and Safety

Assessment:

- ‘Advising a friend’ assessment task
- Workbook studies
- Completion of subject selection workbook
- Online careers and aptitude activities

Resources:

- Subject selection workbook (provided)
- OHS information packs (provided)

Pastoral

Year 9 Co-curricular Activities

CITY SCHOOL

The 'camp' for year nine is the very popular City School program. You will spend a week in Melbourne's CBD where you investigate the theme of change and continuity. You will visit a range of modern and historical sites in order to develop an understanding of how Melbourne was built and how it has evolved. More importantly, City School is designed to provide opportunities for you to feel independent, responsible and challenged within an alternate learning environment. Activities include visits to the Old Melbourne Gaol, Eureka Tower, Hardrock Rock-climbing and hands on participation in SYN Radio Station and the Big Issue classroom. You will prepare for City School in Humanities and Pastoral classes and will create a presentation about change and continuity in Melbourne.

Program Cost:

Approximately \$100.00. School fees and costs will be sent home with the Parent Supported Materials sheet which is distributed in Term 4.

FIRST AID PROGRAM

In Term 4, you will complete a first aid program run by KMR Safety First. You will be trained in the most up to date and relevant first aid training in order to equip you to better handle emergency situations.

Program Cost:

Approximately \$15.00. School fees and costs will be sent home with the Parent Supported Materials sheet which is distributed in Term 4.

OCCUPATIONAL HEALTH & SAFETY

In order to prepare you for work experience in Year 10, Term 4 will also see you completing your Occupational Health and Safety certificate. This course will be completed in Pastoral classes and will focus on real world scenarios and provide you with training and a recognised certificate to enhance your employment opportunities.

Program Cost:

School fees and costs will be sent home with the Parent Supported Materials sheet which is distributed in Term 4.

Year 9 Electives 2018

The Year 9 Elective Program

During Year 9, students continue their studies in the core subjects of English, Mathematics, Humanities, Science, Physical Education and Pastoral. The Year 9 elective program is designed to allow students to experience a broader range of subjects than their core subjects allow. Students will participate in four semester based electives across the year. These electives must include subjects from at least two of the following subject areas: The Arts, Languages and Technology.

The elective program allows students to experience subjects that relate to pathways they may be considering pursuing at the Senior Campus, when they select from the broad range of Year 10 electives offered. Trying different electives enables students to have learning experiences that make them better informed when they eventually select Year 11 and Year 12 VCE, VET or VCAL studies.

How the Year 9 Elective Program Operates

During Year 9, students continue to study the core subjects with other students in their home group. They will select and complete two electives each semester, grouped with other students who have also selected those subjects. At the semester break (end of Term 2), they will have completed two electives and will begin two new electives for the remainder of the year. Each elective consists of eight sessions a fortnight.

Sample Year 9 Program

(Fortnightly timetable)

Semester 1	English X 10 Sessions	Maths X 10 Sessions	Science X 8 Sessions	Humanities X 8 Sessions	Physical Education X 6 Sessions	Pastoral X 2 Sessions	Elective Choice 1 X 8 Sessions	Elective Choice 2 X 8 Sessions
Semester 2	English X 10 Sessions	Maths X 10 Sessions	Science X 8 Sessions	Humanities X 8 Sessions	Physical Education X 6 Sessions	Pastoral X 2 Sessions	Elective Choice 3 X 8 Sessions	Elective Choice 4 X 8 Sessions

***All students must choose from at least two of the following subject areas
The Arts, Languages and Technology.***

The Elective Process

The first step in the process of selecting electives is to thoroughly read this handbook during allocated Pastoral sessions, as well as at home with your Parents/Carer.

You should discuss the electives process, and the subjects you are interested in with your home group teacher, parents, other subject teachers, as well as current Year 9 students you know.

Remember that you must choose from at least **TWO** of the following subject areas: **The Arts, Languages and Technology**.

Complete the sample selection grids in the back of this book, to see what your timetable could look like. Do this during allocated time in Pastoral and also at home with your parents/carers. You will be given a subject selection sheet during Term 3, which you will need to complete very carefully. Select 10 subjects in order of preference, with the number 1 subject being your first preference, the number 2 subject being your second preference and so forth.

You must select 10 subjects, even though you will only end up completing four electives. It is important that you think carefully about your backup selections, as well as your first four preferences, as you may well end up in a backup elective. Two of The Arts, Technology or Languages electives must be included in your top four preferences.

Return your elective form (signed by yourself and your parent/carer) to your home group teacher by the advertised date. These will then be sorted, and electives will be allocated. Students will be made aware of their elective selections during Term 4 of 2016.

Important Things to Know

- Some electives may carry an additional cost. The school council has not confirmed the elective costs at this stage. A separate notice will be sent home later confirming the cost of electives.
- Not all electives offered will go ahead, as the number of students who select an elective can determine whether it runs or not. Other factors such as specialist rooms, teachers and facilities will all determine whether an elective runs or not.
- You may not receive your top four preferences because many factors affect the timetable and whether or not a particular elective runs or not. This may mean you do not receive your top four preferences.
- Every effort will be made to ensure that student choices and preferences are met, however this is not possible for all students.
- You should choose electives based on your interest in the subject, whether it could help you with a career you have in mind, or if you are good at it.

Do not choose an elective because of factors such as peer pressure or friendship.

Electives Offered in 2018

All students must choose from at least two of the following subject areas: The Arts, Languages and Technology.

THE ARTS – VISUAL ARTS

Visual Art
Ceramics & Sculpture
Media
Visual Communication
— Architectural/Graphic Design

THE ARTS – PERFORMING ARTS

Dance
Drama

THE ARTS – MUSIC

Music Technology & Composition
Music Performance

Technologies

DESIGN & TECHNOLOGIES

Cafe Culture
Multicultural Cuisine
Clothing & Design
Electro-technology & Mechanical Design
Product Design
Computer Aided Design & Manufacturing

DIGITAL TECHNOLOGIES

Game Programming & Design
Interactive Web Development

ENGLISH

Creative Writers Workshop

HUMANITIES

Philosophy - The Big Questions

LANGUAGES

Italian

PHYSICAL EDUCATION & HEALTH

Recreation & Outdoor Education
PE for Girls
PE for Boys
Sports Coaching

SCIENCE

Biology
Forensic Science
Psyched Out

The Arts – Visual Arts

VISUAL ART

Aim:

In this unit, you will explore individual ideas through the investigation of drawing, painting and print making.

Content:

You will investigate art styles which focus on common themes/concepts and develop artwork, by observing and investigating how artists have explored ideas and styles in their artworks. You will then compare themes and art styles by researching cultural issues and influences.

You will also have the opportunity to create two dimensional artworks using different techniques and processes in drawing, painting and printing. This will involve:

- Developing and refining artworks influenced by the styles of artists/cultures
- Experimenting with art elements/principles and concepts to develop ideas
- Planning, modifying and recording the techniques and processes used in art works
- Investigating the history and traditions of art work and art styles
- Describing, analysing and comparing art work and artists by using appropriate art terminology

Assessment:

- Folio
- Workbook
- Written Tasks

Resources:

There is a 'materials and resources' cost associated with this elective, please see the Parent Supported Materials sheet which is distributed in Term 4.

The Arts

CERAMICS & SCULPTURE

Aim:

This course aims to introduce you to and develop your practical skills through three-dimensional ceramic and sculptural art forms. You will investigate art styles which focus on common themes/concepts. You will also develop artwork by observing and investigating how artists have explored ideas and styles in their art works. You will then compare themes and art styles by researching cultural issues and influences.

Content:

- Creating three-dimensional ceramic and sculptural art forms using different techniques and processes
- Representing forms from direct observation
- Developing and investigating ideas based on common themes
- Experimenting with the application of art elements
- Planning and modifying the presentation of three dimensional artwork
- Recording techniques and processes used with the appropriate terminology
- Exploring and responding to qualities present in ceramic and sculptural art work

Assessment:

- Folio
- Workbook
- Research/Written Task

Resources:

There is a 'materials and resources' cost associated with this elective, please see the Parent Supported Materials sheet which is distributed in Term 4.

The Arts

MEDIA

Aim:

This course aims to introduce you to media conventions and develop an understanding of the media in its many forms.

Content:

You will investigate advertising, genre and representation video production and develop skills, techniques and processes including camera techniques, scripting, storyboards and editing. You will also get the opportunity to work in small groups to produce and evaluate your work. You will analyse, interpret and evaluate media forms and texts and investigate the social and cultural context of media productions.

Assessment:

- Film Review
- Practical Work
- Workbook

Resources:

There is a 'materials and resources' cost associated with this elective, please see the Parent Supported Materials sheet which is distributed in Term 4.

The Arts

VISUAL COMMUNICATION – ARCHITECTURAL / GRAPHIC DESIGN

Aim:

The course aims to develop your ideas, skills and techniques through the use of design elements and principles in both two and three-dimensional representations. It incorporates practical and theoretical activities based on the design process through the appropriate use of drawing conventions and creative applications in visual design. You will get the chance to analyse examples of visual communications in past and present contexts and discuss the work and roles of visual designers.

Content:

Producing two and three-dimensional representations using drawing systems, conventions and production processes/techniques.

- Using observation and research for inspiration and ideas
- Exploring ideas using design elements and principles
- Planning and refining design presentations and considering the intended audience
- Identifying and describing how design elements and principles are used
- Identifying messages (visual and text) and evaluating their effectiveness
- Analysing visual presentations of past and contemporary designers

Assessment:

- Folio
- Workbook
- Written Task

Resources:

There is a 'materials and resources' cost associated with this elective, please see the Parent Supported Materials sheet which is distributed in Term 4.

The Arts

The Arts — Performing Arts

DANCE

Aim:

This course will enable you to develop your knowledge and understanding of movement and dance.

Content:

You will be encouraged to use safe dance practices while learning and creating dance works. You will also analyse the characteristics and role of dance in different cultural contexts. Activities will include:

- Improvisation activities and expressive responses to set dance tasks
- Selecting and structuring elements of dance to create new works
- Creating and presenting both solo and group works in a personal style
- Performing and staging performances in relation to audience placement
- Describing, interpreting and evaluating your own and others work
- Critical review of a dance performance

Assessment:

- Practical work/group composition
- History/Research Task
- Performance review
- Workbook

Resources:

There is a 'materials and resources' cost associated with this elective, please see the Parent Supported Materials sheet which is distributed in Term 4.

The Arts

DRAMA

Aim:

This unit aims to broaden your knowledge and understanding of drama through practical workshops and the study of theatre forms and history.

Content:

You will be expected to make and present dramatic works which explore a range of themes, issues and ideas. You will also get the chance to explore techniques which enable you to develop interesting and creative characters. You will then analyse and discuss the dramatic elements evident in your own work and the work of others. Tasks include:

- Development of works and characters from a range of stimuli, including songs, art, scripts, poetry, photographs, film etc.
- Analysis and evaluation of your own and other's work.
- Creating solo and group performances for an audience.

Assessment:

- Development and performance of solo and ensemble characters
- Performance analysis
- Workbook

Resources:

There is a 'materials and resources' cost associated with this elective, please see the Parent Supported Materials sheet which is distributed in Term 4.

The Arts — Music

MUSIC TECHNOLOGY & COMPOSITION- (Year 9)

Aim:

This unit concentrates on the use of technology to manage audio equipment and develop compositions and music analysis skills.

Content:

This unit focuses on using ICT to record, edit and compose music. Students explore a number of musical experiences, including: PA system management, film scoring and analysis, composition and mixing using ICT, music theory and recording.

Students are encouraged to explore creative ideas and develop skills in criticism, analysis and self-reflection. The use of musical instruments for this elective is limited. The unit will include:

- Performance: Presenting compositions using different technologies, in a range of styles, to a range of audiences.
- Creative Work: Using a range of technologies to develop and demonstrate skills in composing (including film and advertising).
- Music Comprehension: Analysing different styles of music, to develop knowledge of music theory concepts.
- Equipment Management: Setting up and managing live sound systems
- Research and Reflection: Analysing and evaluating the impact of various technological developments on music.

Assessment Tasks:

- Equipment Management and Performance: Set-up and management of sound systems and amplification in live performance settings and to aid presentation of student compositions.
- Creative: Completion of a range of creative compositions based on film and advertising music, mixing, recording and melodic structure.
- Written: Completion of a range of reflective activities, composition plans and completion of a research assignment.

Resources:

There is a 'materials and resources' cost associated with this elective, please see the Parent Supported Materials sheet which is distributed in Term 4.



The Arts — Music

MUSIC PERFORMANCE

Aim:

This unit concentrates on playing instruments and performance.

Content:

This elective focuses on the further development of Instrumental Music skills and will involve students in a number of musical experiences and performances. Students will choose and focus on one instrument to continue their instrumental skill development. Instrumental choice includes: voice, keyboard, guitar, bass and drum-kit. Students may also incorporate other instruments including Brass and Woodwind instruments into the solo and group performance.

- Performance: Develop rehearsal and technical instrumental skills, perform as a soloist and in a group using different styles of music, perform to a range of audiences.
- Creative Work: Compose, improvise, arrange and write music in Blues and other contemporary styles.
- Music Comprehension: Develop skills and knowledge of music theory concepts.
- Research and Reflection: Analyse and evaluate environmental aspects that influence performances and venues; complete a range of self-reflection activities to improve own skills and performance awareness. Organise and contribute to the running of a concert.

Assessment:

- Performance: Demonstration of Instrumental Skill Development and Performance Participation.
- Creative: Completion of Music Comprehension activities, Theoretical tasks and Creative Composition.
- Written: Completion of a concert review, concert plan and reflective evaluations.

Resources:

There is a 'materials and resources' cost associated with this elective, please see the Parent Supported Materials sheet which is distributed in Term 4.

Students who undertake this course are strongly encouraged to attend weekly Instrumental Music lessons either privately or through the college.

The Arts

Technologies — *Design & Technologies*

CAFÉ CULTURE

Aim:

This subject aims to develop knowledge and skill in the design and preparation of café style cuisine. Nutrition and special dietary requirements of individuals is also investigated.

Content:

In this subject you will develop practical skills in investigation, designing, producing and evaluating café style products included in breakfast and lunch menus. You gain an understanding of the functional properties and chemical processes of ingredients when producing products. You investigate nutrition, healthy eating and special dietary needs and take traditional and healthy options into account when given a design brief. You will use a range of processes, tools and equipment suitable for safe and hygienic food preparation.

Assessment Tasks:

- Investigating and designing
- Producing
- Evaluating

Design

Resources:

There is a 'materials and resources' costs associated with this subject. In 2017 this cost was \$60. It is anticipated that this figure will not change for 2018. The Parent Supported Materials sheet including this cost will be distributed in Term 4. Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

Occupational Health and Safety (OHS) Requirements:

Students and Parents need to be aware that there is an important OHS aspect regarding the protective equipment worn in practical Technology classes. This subject requires students to observe strict OHS controls which may include the tying back of hair and wearing aprons and black, fully enclosed, safe, leather school shoes.

Technologies — *Design & Technologies*

MULTICULTURAL CUISINE

Aim:

This subject aims to develop your understanding of multicultural cuisines including the origin of recipes and the influence culture has on eating habits, dietary requirements, ingredients, cooking techniques and food presentation. The impact of food on our environment, society, personal nutrition and healthy eating will also be investigated.

Content:

In this subject you will develop practical skills in investigation, designing, producing, and evaluating food products from a range of cultural influences. You gain knowledge about the chemical properties of foods and how each country's environmental, social and geographical locations influence a country's cuisine, nutrition and eating habits. You also learn how to evaluate production processes and further develop the ability to work safely and hygienically.

Assessment Tasks:

- Investigating and designing
- Producing
- Evaluating

Design

Resources:

There is a 'materials and resources' costs associated with this subject. In 2017 this cost was \$60. It is anticipated that this figure will not change for 2018. The Parent Supported Materials sheet including this cost will be distributed in Term 4. Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

Occupational Health and Safety (OHS) Requirements:

Students and Parents need to be aware that there is an important OHS aspect regarding the protective equipment worn in practical Technology classes. This subject requires students to observe strict OHS controls which may include the tying back of hair and wearing aprons and black, fully enclosed, safe, leather school shoes.

Technologies — *Design & Technologies*

CLOTHING & DESIGN

Aim:

This subject aims to apply the design process to create and produce finished items of clothing.

Content:

In this subject you will use a design brief to identify the needs of a client and/or end user to investigate suitable ideas, themes, and historical / modern fashion trends to help you solve a design problem. You will explore and develop techniques to apply different finishes to fabric surfaces to enhance the design features of your finished products. You will learn how to document design ideas in the forms of rough sketches, fashion drawings and mood boards. You will develop practical skills in designing, cutting and machining and use a sewing machine, over locker, iron and other tools/ equipment in a safe manner.

Assessment Tasks:

- Investigating and designing
- Producing
- Evaluating

Resources:

There is a 'materials and resources' costs associated with this subject. In 2017 this cost was \$60. It is anticipated that this figure will not change for 2018. The Parent Supported Materials sheet including this cost will be distributed in Term 4. Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

Occupational Health and Safety (OHS) Requirements:

Students and Parents need to be aware that there is an important OHS aspect regarding the protective equipment your child wears in practical Technology classes. This subject requires students to observe strict OHS controls including the tying back of long hair, and the wearing of solid, black, fully enclosed, safe, leather school shoes.



Technologies — *Design & Technologies*

ELECTRO-TECHNOLOGY & MECHANICAL DESIGN

Aim:

This subject aims to develop your ability to design and manufacture a finished mechanical product to meet a list of required specifications.

Content:

In this subject you will investigate and follow the design process in response to a specific electro-technology and mechanical design problem. You use research and communication skills to respond to the needs of a design brief and generate design options. The course provides you with techniques to adapt the design elements and principles to produce a variety of design options. You learn to sketch design options and use software to computer model your refined idea in preparation for manufacturing.

Using tools and manufacturing processes, you learn to use a variety of trade techniques and develop the ability to safely use hand tools and a limited range of portable and fixed machinery. To broaden your knowledge and understanding of design, you also investigate the influence of design and technology on both historical and contemporary society as well as a range of materials, their functional properties and uses.

Assessment Tasks:

- Investigating and designing
- Producing
- Evaluating

Resources:

There is a 'materials and resources' costs associated with this subject. In 2017 this cost was \$60. It is anticipated that this figure will not change for 2018. The Parent Supported Materials sheet including this cost will be distributed in Term 4. Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

Occupational Health and Safety (OHS) Requirements:

Students and Parents need to be aware that there is an important OHS aspect regarding the protective equipment worn in practical Technology classes. This subject requires students to observe strict OHS controls which may include the tying back of hair and the wearing of eye protection, hearing protection, dust / particle masks and solid, black, fully enclosed, safe, leather school shoes.

Technologies — *Design & Technologies*

PRODUCT DESIGN

Aim:

This subject aims to develop your ability to design and manufacture a finished product, piece of furniture, or item of jewelry to meet a client's needs. It also investigates how materials have impacted the historical development of manufacturing, culture and sustainability.

Content:

In the subject you will investigate and follow the design process in response to a specific design problem. You use research and communication skills to respond to the needs of a design brief and generate design options. The course provides you with techniques to adapt the design elements and principles to produce a variety of design options. You learn to sketch design options and use software to computer model your refined idea in preparation for manufacturing.

Using tools and manufacturing processes, you learn to use a variety of trade techniques and develop the ability to safely use hand tools and a limited range of portable and fixed machinery. To broaden your knowledge and understanding of design, you also investigate the influence of design and technology on both historical and contemporary society as well as a range of materials, their functional properties and uses.

Assessment Tasks:

- Investigating and designing
- Producing
- Evaluating

Resources:

There is a 'materials and resources' costs associated with this subject. In 2017 this cost was \$60. It is anticipated that this figure will not change for 2018. The Parent Supported Materials sheet including this cost will be distributed in Term 4. Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

Occupational Health and Safety (OHS) Requirements:

Students and Parents need to be aware that there is an important OHS aspect regarding the protective equipment worn in practical Technology classes. This subject requires students to observe strict OHS controls which may include the tying back of hair and the wearing of eye protection, hearing protection, dust / particle masks and solid, black, fully enclosed, safe, leather school shoes.

Technologies — *Design & Technologies*

COMPUTER AIDED DESIGN & MANUFACTURING

Aim:

This subject aims to develop drawing and design skills by using the design process to design, model and test a finished piece of furniture, product or jewelry that meets a client's needs using both manual and Computer Aided Design (CAD). To learn how CAD and manufacturing (CAM) has impacted the historical development of manufacturing, culture and societies including the industries of gaming, movie making and product design.

Content:

In the subject you will use manual and digital drawing systems to investigate and follow the design process in response to a specific design problem. You use research and visualisation skills to respond to the needs of a design brief and generate design sketches and illustrations. You learn to freehand and technically draw design options and technical drawings and computer model your refined design concept in preparation for the computer aided design (CAD) and manufacturing process (CAM).

In completion of the CAD process, you learn to use a variety of digital illustration techniques and how to make a model using a 3D printer. You also learn how to use the CAD environment to test and evaluate your models. To broaden your knowledge and understanding of design, you also investigate the influence of design and technology on both historical and contemporary society as well as a range of materials, their functional properties and uses.

Assessment Tasks:

- Investigating and designing
- Producing
- Evaluating

Resources:

There is a 'materials and resources' costs associated with this subject. In 2017 this cost was \$60. It is anticipated that this figure will not change for 2018. The Parent Supported Materials sheet including this cost will be distributed in Term 4. Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

Technologies — *Digital Technologies*

GAME PROGRAMMING & DESIGN

Aim:

This subject aims to explore the design and development process used to create games by using a variety of programming languages, including Touch Develop, Python and Visual Basic.

Content:

In this subject you will develop an understanding of the equipment that is required for online gaming. You will develop practical skills in the design of digital gaming software, create imagery and produce the code behind the game. You analyse the structure of existing games and the historical context of gaming and the elements which make a game effective, enjoyable and irresistible to players. The emphasis in this subject is also in solving programming problems in a collaborative environment.

Assessment Tasks:

- Research task
- Portfolio of digital solutions
- Timed Exercises

Technologies — *Digital Technologies*

INTERACTIVE WEB DEVELOPMENT

Aim:

This subject aims to develop your understanding of how a website is structured and functions and designing and building websites that meet a particular real world need.

Content:

In this subject you will investigate the type of equipment that is needed to host a website. The emphasis is on working in collaborative teams to analyse, design, develop and evaluate websites. You acquire skills in image manipulation and use web authoring software to create websites. You also learn to code and build a website using HTML, CSS and the JavaScript programming environment.

Assessment Tasks:

On-going assessment based on the completion of class-work and projects.

- Research task
- Portfolio of digital solutions
- Timed Exercises

English

CREATIVE WRITERS' WORKSHOP

Aim:

Do you like to express yourself creatively through writing? This elective will allow you to explore your imagination, where you will create alternate worlds, discover the complexity of characters and generate adventurous plots.

Content:

Throughout this elective, you will develop advanced writing skills and understand the different literary techniques that authors use in their writing. You will develop your skills through various creative writing tasks designed to promote inspiration and enable you to discover the benefits of keeping a writing journal. You will get to create samples of various writing forms from a wide range of genres and have a chance to enter writing competitions or attend the 'Writer's Festival'.

Assessment:

- Writing Journal
- Writing folio
- Short story

Resources:

- Exercise book
- Journal
- Display folder

English

Humanities

PHILOSOPHY - THE 'BIG' QUESTIONS

Aim:

Have you ever wondered about big questions like 'Do we have a soul?', 'What is beauty?' and 'Should the death penalty exist?' You will learn to think critically, with an open mind and reflect on ideas you have taken for granted. This subject will develop your curiosity, problem-solving skills and intellectual stamina. The ability to think philosophically is highly regarded in careers where strategic thinking, insightful questioning and carefully reasoned arguments are needed.

Content:

There are three main areas of study in this elective:

- The first unit of study is on the subject of Metaphilosophy (i.e. what is Philosophy?), paying particular attention to the role played by reason in philosophical investigation.
- The second area of study, Ethics, engages students on a personal level, asking them to think about their views on contemporary moral issues, such as same-sex marriage, climate change and terrorism.
- The third area of study is Arguments for the Existence of God, inviting students to consider the nature, logic and difficulties of both ancient and contemporary arguments for and against the existence of God.

This subject will lead into Year 10 Philosophy and then into VCE Philosophy Units 1-4.

Assessment:

- Communication Tasks
- Essay
- Timed Exercises
- Journal and workbook

Resources:

- Prescribed text: 'The Philosophy Gym' by Stephen Law
- Exercise book
- Pencil case with pens, pencils, ruler, glue, scissors and other stationery

Humanities

Languages

ITALIAN

Aim:

To work towards fluency in spoken and written Italian and apply your skills from previous study in the language to real life scenarios. To gain an understanding of current social and cultural issues in Italy.

Content:

In our increasingly globalised world, language skills are crucial more than ever before. This elective explores the Italian language and culture through the eyes of an Italian teenager. You will learn more about all of the things we associate with Italy; soccer, pizza, family and fashion. Some of the tasks and topics will include:

- Exploring the many visible Italian icons in and around Melbourne through an excursion.
- Developing your Italian language fluency for future travel and employment opportunities.
- Exploring the food, fashion, sport, family traditions and travel destinations in Italy.

Assessment:

- Listening and Speaking: Online tasks, songs, games, role-plays, conversations, surveys, poems and DVDs.
- Writing: blogs and text messages, emails, letters, short stories, advertisements.
- Reading: Cartoons, online articles, questionnaires, stories.

Resources

Ecco! Due Textbook, Ecco! Due Student Work Kit

Languages

Physical Education & Health

RECREATION & OUTDOOR EDUCATION

Aim:

This subject is designed to introduce you to the concepts, skills and activities associated with recreation and outdoor education. A central aim of the subject is to promote team work, self-belief, develop your leadership skills, practical skills and improve your appreciation of environmental sustainability and the outdoor environment.

Content:

On average one double session per week is practical and the other is theoretical. Practical activities may include: Surfing, Stand-up Paddle Boarding, Orienteering, Adventure activities, Rollerblading and various leadership and team building initiatives. In theory classes you will investigate risk-taking behaviour and identify and consider risk management strategies for various outdoor activities. Students will also learn about and investigate the environment and sustainability.

Assessment:

- Practical participation
- Practical skill achievement
- Theory

PE

Resources:

There is a 'materials and resources' cost associated with this subject; In 2017 this cost was \$200. It is anticipated that this figure will not change for 2018. The Parent Supported Materials sheet including this cost will be distributed in Term 4.

PE FOR GIRLS

Aim:

This subject is designed to allow you to experience different sports in an all female environment. The subject aims to develop your leadership, self-discipline, confidence and self-esteem through both theoretical and practical experiences.

Content:

On average one double session per week is practical and the other is theoretical. When undertaking this subject you will experience and participate in a number of different sports and physical activities. you will study the topics of Skill acquisition and Biomechanics, analysing the affects they have on sporting performance.

Assessment:

- Practical participation
- Practical skill achievement
- Theory

PE

Resources:

Students should refer to the booklist distributed in Term 4 to ensure they have the required materials to successfully complete this subject.

PE FOR BOYS

Aim:

This elective aims to promote teamwork, leadership, skill and technique development and self-confidence. It will also build on your academic knowledge with regular theory sessions.

Content:

On average one double session per week is practical and the other is theoretical. You will learn about leadership skills and practise applying these while taking on a role in sport (eg. coach, referee, manager) for a 6 week competition in a sport chosen by the class. As a team member you will focus on tactics and strategies along with general teamwork. You will also cover technology in sport and study the connection between science and sport through the topic of biomechanics. Your understanding of biomechanics will be linked to practical activities in the second half of the semester. To finish the elective you will have an opportunity to look at careers in sport.

Assessment:

- Practical participation
- Practical skill achievement
- Theory

Resources:

- Provided by the school

PE

SPORTS COACHING

Aim:

This elective is designed to allow you to experience the different roles associated with organised sport. The subject aims to develop your leadership, individual responsibility, self-discipline, confidence and self-esteem through practical experiences.

Content:

On average one double session per week is practical and the other is theoretical. When participating in this subject you will experience a number of different roles, such as: coach, referee or umpire, first aider, tournament director, scorer, technical bench member and sports administrator. You will investigate the role of the coach and plan and review sessions while identifying and managing risks to safety. You will analyse elite and recreational training sessions and analyse the coaching styles in each. You will also have the opportunity to design and run a formal lesson (for peers or younger students).

Assessment:

- Practical assessment rubric
- Workbook entries
- Participation in coaching sessions with peers and younger students
- Planning and implementation of coaching sessions in diary form

Resources:

- Provided by the school

PE

Science

BIOLOGY

Aim:

This elective aims to allow you to investigate aspects of animal and plant biology, while considering issues and ethics of scientific research.

Content:

You will complete practical work as well as project based investigations, ethical debating and improve skills in scientific writing. You will explore characteristics of a wide range of animals. It should be noted that dissections will be part of this unit.

Assessment :

- Practical reports
- Investigations
- Scientific Research Activity

Resources:

You will require a display booklet and two A4 notebooks

Science

FORENSIC SCIENCE

Aim:

In this elective you will learn about forensic techniques and the skills associated with investigating and establishing facts of interest in relation to criminal law.

Content:

You will learn about the science associated with forensics, such as fingerprinting, DNA testing, chromatography and ballistics. You will discuss a number of cases and look at the evidence that helped solve the crime. You will also use your forensic skills to help solve a staged crime set up in the classroom. Forensic science is about using science to solve puzzles, so critical thinking and testing hypotheses will be part of the elective.

Assessment

- Practical reports
- Case study or criminal profile
- Workbook
- Participation in class and group activities

Resources

Students will require a display folder and two A4 notebooks.

Science

PSYCHED OUT

Aim:

You will be introduced to the study of psychology as well as how behavioral experiments are conducted.

Content:

You will learn about scientific methodology before designing and executing experiments. You will develop your scientific aptitude and numeracy skills within the elective. This elective will help prepare you for the study of psychology at VCE level. Topics you cover include Sleep and Dreams, Non-verbal Communication and General Psychology.

Assessment:

- Test
- Poster
- Research projects

Resources:

Students will need to purchase the “Get Psyched” textbook, which can be retained and used for the Year 10 Psychology elective.

Science



Subject Selection Practice Grids

On the following pages, practise mapping your learning programs by entering subjects into the blank cells in the grids.

	Subject 1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6	Elective Choice 1	Elective Choice 2
Semester 1	English	Mathematics	Science	Humanities	Physical Education	Pastoral		
Year 9	Subject 1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6	Elective Choice 3	Elective Choice 4
Semester 2	English	Mathematics	Science	Humanities	Physical Education	Pastoral		

You must choose electives from at least **TWO** of the following areas: The Arts, Technology and Languages.

- Alternative Elective Choice #1.....
- Alternative Elective Choice #2.....
- Alternative Elective Choice #3.....
- Alternative Elective Choice #4.....
- Alternative Elective Choice #5.....
- Alternative Elective Choice #6.....

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