



**MILL PARK**  
SECONDARY COLLEGE

2023  
YEAR 9  
HANDBOOK

*Create your future*

# Year 9 Handbook

Welcome to Year 9! 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
- 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 in the following year. 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 VCE(VM) studies

Semester 1	Semester 2
Homegroup & Pastoral	Homegroup & Pastoral
Mathematics	Mathematics
English	English
Science	Science
Humanities	Humanities
PE & Health	PE & Health
Elective 1	Elective 2
Elective 3	Elective 4



## Important Things to Know:

- You must have electives from **at least two of the following areas** in your first four preferences: *The Arts, Languages and Technologies*.
- You must **choose 10 electives** in order of preference.
- Some electives may carry an additional cost if there are excursions.
- 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 pathway** you have in mind, or **if you are good at it**.
- If students do not complete selection by the subject selection due date, then school will need to allocate the student to available elective classes

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



## **Core Subjects**

English

Humanities

Mathematics

Pastoral

PE & Health

Science

## **Arts Electives**

Visual Art

Ceramics & Sculpture

Media

Visual Communication -  
Architecture/Graphic  
Design

Dance

Drama

Music Technology &  
Composition

Music Performance

## **Languages Electives**

Italian

## **Technologies Electives**

Cafe Culture

Multicultural Cuisine

Clothing & Design

Building Numeracy for Life  
(applied learning)

Product Design

Project STEM

Game Programming &  
Design

Interactive Web  
Development

Guerilla Gardening

## **English Electives**

Creative Writers  
Workshop

Building Literacy for  
Life (applied learning)

## **Humanities Electives**

Philosophy - The Big  
Questions

Community  
Engagement Elective

## **Science Electives**

Forensic  
Science

Psyched Out

## **PE & Health Electives**

Recreation & Outdoor  
Education

Advanced PE

Sports Coaching



# Year 9 Core Subjects

## English / EAL 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 interactions 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, Comparing Texts and Creative Writing.

### Assessment:

- Book work and activities
- Text Response Essays
- Writing Tasks
- Oral Presentations

## 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:

- Book work and activities
- Research Tasks
- Communication Tasks



- Timed Exercises

## 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 Pathway. 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, targeted interventions and small group mini lessons, which have a focus on problem solving and real world applications. Students will also focus on building a growth mindset towards their maths learning and engage in regular reflection and goal setting activities.

### Assessment:

- Mastered Modules
- Reflection Journal
- Personalised Exam

## Physical Education / Health

### Aim:

To develop specialised movement skills and movement performance, fitness, teamwork and strategic thinking across a range of sports. An understanding of theory concepts related to the learning of fitness components, training principles and methods of training.

### Content:

In this subject you will participate in a range of sports, focusing on developing specialised movement skills and movement performances and strategies/tactics. You will also propose and evaluate interventions to improve fitness and physical activity levels, through specific testing, understanding of health and skill related fitness components and investigating both training principles and methods. You will explore the factors that affect physical activity participation by exploring the potential barriers to physical activity and investigate ways to promote physical activity to enhance the health and wellbeing of the community.

### Assessment:

- Practical Skill Level
- Game Sense
- Theory



## Science

### Aim:

This subject aims to allow students to further their understanding 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

## 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



## 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:**

You will complete a first aid program run by an external provider. 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 and Safety:**

In order to prepare you for work experience in Year 10, you will complete 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

## Arts Electives

### Visual Arts

#### Visual Art

**Aim:** In this unit, you will explore individual ideas through the investigation of drawing, painting and printmaking.

**Content:** You will explore visual arts practices and art styles as inspiration to develop a personal style on themes/concepts in artworks. You will develop an understanding of how artists manipulate materials, techniques, technologies and processes to develop and express their intentions in art works. You also analyse and interpret artworks from different cultures, historical and contemporary contexts. You will have the opportunity to create two dimensional artworks using different techniques and processes in drawing, painting and printing. This will involve:

- Exploring and refining artworks influenced by visual arts practices and art styles
- 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 contemporary context of art work
- Describing, analysing and comparing artworks and artists from different cultures, historical and contemporary context through the use of appropriate art terminology

#### Assessment:

- Folio
- Workbook
- Written Tasks



## Ceramics and Sculpture

**Aim:** In this subject, you will develop your practical skills through three-dimensional ceramic and sculptural art forms. You will develop an understanding of how artists manipulate materials, techniques, technologies and processes to develop and express their intentions in art works. You also analyse and interpret artworks from different cultures, historical and contemporary contexts. You also analyse and interpret artworks from different cultures, historical and contemporary contexts.

### 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
- Describing, analysing and comparing artworks and artists from different cultures, historical and contemporary context through the use of appropriate art terminology in ceramic and sculptural art work

### Assessment:

- Folio
- Workbook
- Written Tasks

## 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 explore media arts practices in advertising, genre and representation video production and develop skills, techniques and processes including camera techniques, scripting, storyboards and editing.

You will also have the opportunity to work in small groups to produce and evaluate your work. You will analyse, interpret and evaluate media forms, texts and the social and cultural context of media productions.

### Assessment:

- Film Review
- Practical Work
- Workbook



## Visual Communication - Architecture/Graphic Design

**Aim:** In this subject, you will develop your ideas, skills and present visual communications that demonstrate the application of methods, materials, media, design elements and design principles that meet the requirements of a specific brief and target audience. It incorporates the use of manual and digital drawing methods to create visual communications in Environmental, Industrial and Communication Design. You will also analyse and evaluate the factors that influence design 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 and evaluating their effectiveness

Analysing visual presentations of past and contemporary designers

### Assessment:

- Folio
- Workbook
- Written Task

## Performing Arts

### Dance

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

**Content:** In this subject, students will be introduced to the elements of dance through exploring aspects of the choreographic process including improvisation and responding to stimulus. Students learn how to apply choreographic principles into their own dance making within a group or solo context. Students learn and interpret several group dances in a range of styles. Students build their critical and creative thinking through reflection on their dance making process and analysis of the history and culture of a chosen dance style. Tasks completed in this unit include:

Activities will include:

Improvisation activities and choreographic tasks

Choreographing a solo/duo/trio dance using a stimulus

Style specific workshops

Learning, performing and evaluating a group dance

Researching and presenting a selected dance style

Engaging in safe dance practices that build technical skills

### Assessment:

- Choreography task
- Dance Analysis of own and other's choreography
- Learnt Group Dance



## Drama

**Aim:** In this subject, you will broaden your knowledge and understanding of drama through practical workshops and the study of theatre forms and history. You will learn about the elements of drama and narrative structure to develop ideas, and perform scripted drama and performance styles.

### 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

## Music

### Music Technology & Composition

**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, working with a Digital Audio Workstation (DAW), 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:

- 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.



## 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 Strings, 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 your own skills and performance awareness. Organise and contribute to the running of a concert.

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

### **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



# English Electives

## 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

## Building Literacy for Life (applied learning)

### Aim:

Literacy is essential for all aspects of adult life. In this elective, you will have the opportunity to build your confidence in foundational reading, writing and speaking, while also applying these skills to hands-on learning projects. This elective is designed for students who want to follow their own path and build their skills in foundational literacy to ensure future success in whatever career they choose, particularly trade. You will be working alongside the Building Numeracy for Life elective.

### Content:

In this elective, you will work both independently and collaboratively to build your foundational literacy skills in the classroom and then have the opportunity to apply these to real world situations as well as a collaborative science project with Whittlesea Technical School.

### Assessment:

- Individual growth towards literacy goals
- Peer assessment based on collaboration and teamwork
- Designing a prototype to address a real world problem



# Humanities Electives

## 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

## Community Engagement Elective

### Aim:

Are you interested in making our local community and the world a better place? By investigating contemporary issues, you will learn to value your belonging in a diverse and dynamic community. This subject will develop your independence, understanding of local and global issues and your role as a citizen.

Increasingly, when assessing students’ applications, universities are asking for evidence of volunteer opportunities that have been undertaken.

### Content:

There are three main areas of study in this subject which include;

- Students will split their time volunteering in the community and learning about local and global issues such as: climate change, inequality, and demographic changes.
- Students will learn values which underpin democratic communities such as freedom, equality, responsibility, accountability, respect, tolerance and inclusion.
- Students can positively contribute locally and increase their understanding of global issues by volunteering in some of the following locations; local council, primary schools, kindergartens, aged-care facilities.

### Assessment:

- Journal and Workbook
- Research Report



# Languages Electives

## 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 aspects 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; living in Italy, food, family and fashion. Some of the tasks and topics will include:

- 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.
- Writing: blogs and text messages, emails, letters, short stories, advertisements.
- Reading: cartoons, online articles, questionnaires, stories





# Science Electives

## 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
- Test
- Investigations

## Psyched Out

### Aim:

You will be introduced to the study of psychology as well as how behavioural 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



# PE & Health Electives

## Recreation and Outdoor Education

### Aim:

This subject is designed to introduce students to the knowledge, skills and activities associated with recreation and outdoor education. The aim of the subject is to promote leadership and teamwork, develop practical recreational skills and build upon your understanding and appreciation of the outdoor environment.

### Content:

On average one double session per week is practical and the other is theoretical. Practical activities may include: Surfing, Ten pin Bowling, Golf, Archery, Ice skating and various other leadership and team building initiatives. In theory classes students will investigate risk-taking behaviour and identify and consider risk management strategies for various outdoor activities. Students will examine the role physical activity, outdoor recreation and sport play in the lives of Australians and investigate how this has changed over time. You will understand the process and steps required to plan, conduct and lead a recreational activity with your peers.

### Assessment:

- Practical participation
- Leadership and Teamwork skills
- Theory

### Resources:

*Participation in practical sessions and attendance on excursions is a compulsory requirement for this subject. Excursions to support learning may be organised and may incur a cost.*

## Sports Coaching

### Aim:

In this subject, you will investigate and facilitate the different roles of coaching young people in developing their skills required for organised sport. You will explore the different stages of skill learning and learn how to adapt your coaching technique and skills to meet the needs of both a team and individual learner. You will develop your understanding of feedback and learn the skills required to provide effective feedback to your peers to improve their practical skills in a range of sports. You will research, develop and modify different sporting drills and activities while undertaking the role of coach in a range of sports. This subject is a combination of theoretical and practical classes.

### Assessment:

- Practical participation
- Practical Coaching
- Theory



## Advanced PE

### 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:

In this subject, students will explore and develop an understanding of various leadership skills by applying these skills while taking on a role in sport (eg. coach, referee, manager) for a tournament in a sport chosen by the class. As a team member students will implement and evaluate successful tactics and strategies along with developing effective teamwork. Students will cover technology in sport and study the connection between science and sport through practical participation of biomechanical principles. Students also investigate and participate in activities for athletes of all abilities in an Inclusive sport unit. Careers in sport will also be researched and explored.

### Assessment:

- Roles in sport
- Biomechanics
- Inclusive Sports

***Participation in practical sessions is compulsory. Excursions to support learning may be organised and may incur a cost.***



# Technology Electives

## Design and Technology

### Clothing and 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, overlocker, iron and other tools/ equipment in a safe manner.

**Assessment:**

- Investigating and designing
- Producing
- Evaluating

### Building Numeracy for Life (applied learning)

**Aim:**

Numeracy is essential for all aspects of adult life. In this elective, you will have the opportunity to build your confidence in foundational numeracy skills by applying mathematical concepts to real world problems.

**Content:**

In this elective, you will work both independently and collaboratively to build your foundational numeracy skills in the classroom. You will have the opportunity to apply these numeracy skills to real world situations while also working on hands-on projects with the Whittlesea Technical School. You will work alongside the Building Literacy for Life Elective.

**Assessment:**

- Individual growth towards Numeracy goals
- Peer assessment based on collaboration and teamwork
- Designing a prototype to address a real world problem



## 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:**

- Investigating and designing
- Producing
- Evaluating

## Project STEM

**Aim:** In Project: STEM you will learn about how Science, Engineering, Technology and Mathematics can be used together to solve real world problems.

**Content:** In this subject, you will use the engineering design process together with Maths, Science and Technology principles, to design, build and test solutions based on a specific design brief. Using a variety of materials and techniques, you will learn to sketch design options, create prototypes, collect and analyse data and present your work. You will explore the coding of robotics to complete a specific task. You will also investigate how nature can influence the design of modern technology.

**Assessment:**

- Investigating and designing
- Producing
- Evaluating



## Guerrilla Gardening

### **Aim:**

Do you love working with your hands? Are you passionate about food, the environment or just getting out of the classroom? In this elective, students will work in teams to build their own productive gardens on the school grounds.

### **Content:**

The emphasis of this elective is to work collaboratively to grow your own plants, including flowers, herbs, trees, fruits and vegetables. You will learn about soil quality, how to compost, the science of propagation and see the process of photosynthesis in action. There is nothing quite like the joy of nurturing a seed into a fully grown plant, and with your gardening team, you will have the opportunity to plan out the garden of your dreams and see it bloom into something beautiful.

### **Assessment:**

- Practical Skills: garden planning, building, planting & maintenance
- Visual Diary

## Digital Technology

### Game Programming and Design

**Aim:** This subject aims to explore the design and development process used to create games by using the Python programming language.

**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:**

- Research task
- Portfolio of digital solutions
- Timed Exercises

### 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:**

- Research task
- Portfolio of digital solutions
- Timed Exercises



# Food Technology

## Cafe 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

## 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:**

- Investigating and designing
- Producing
- Evaluating





# MILL PARK

## SECONDARY COLLEGE

### **Middle Years Campus**

Moorhead Drive  
Mill Park VIC 3082  
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