



186 Manchester Road  
Mooroolbark 3138  
Ph: 9727 8100 Fax: 9727 8188  
[www.mooroolbarkcollege.vic.edu.au](http://www.mooroolbarkcollege.vic.edu.au)

Year 9

Administrative & Course  
Handbook



2019





# MOOROOLBARK COLLEGE

ABN 84 467 348 877

186 Manchester Road

Mooroolbark 3138

Telephone: 9727 8100 Fax: 9727 8188

Email: [mooroolbark.co@edumail.vic.gov.au](mailto:mooroolbark.co@edumail.vic.gov.au)

Website: [www.mooroolbarkcollege.vic.edu.au](http://www.mooroolbarkcollege.vic.edu.au)

---

## Welcome to Year 9.

### **This course handbook has been developed to assist you in the selection of your studies in Year 9.**

Mooroolbark College provides you with a diverse range of curriculum offerings. In Year 9 there will be core and elective units to choose from. This will enable you to have some degree of control and choice over the course of study that you pursue next year. It is important that you balance your ambitions for the future, your talents and your interests when developing your course of study. You will need to commit yourself to setting aside some time to read about the course structure and the subject unit entries. When you make the final choice of subjects, you need to have full knowledge of the unit content and course requirements and then make responsible and informed choices.

The course structure at Year 9 is designed for students to select a balanced course of study across the eight key learning areas. Year 9 students will study core units of English, Mathematics, Science, Health, World of Work, History – Making The Modern World and Physical Education each semester. The units of Health and World of Work are semester based units. For students wishing to choose a language subject at Year 9 for both units can treat the second unit as a Technology, The Arts or Humanities. The remaining five elective units for the year may be chosen from any of the remaining elective units offered by any of the Key Learning Areas.

In addition to an Information Evening where the Year 9 curriculum program will be explained, all Year 9 students will receive course counselling. The course counselling will be led by the Mooroolbark College House and Cluster Leaders.

As a student at Year 9 you have the unique opportunity to exercise a degree of control over the selection of the course of study that you will pursue in the next year.

Yours sincerely,

**MATTHEW BELL**  
Yellow House Leader

**ANN STRATFORD**  
Principal

## Table of Contents

Welcome to Year 9 .....	3
Matters for your consideration .....	7
Homework.....	7
Non-School Vacation Days.....	7
College Planner .....	7
College Fees.....	7
Tasmania Tour.....	8
National Assessment Program – Literacy and Numeracy (NAPLAN) .....	8
Reporting and Assessment .....	8
COMPASS.....	8
INSTRUMENTAL MUSIC .....	9
Uniform .....	10
Year 9 COURSE OFFERINGS.....	11
THE ARTS .....	12
VISUAL ARTS - ART CERAMICS – Elective Unit.....	12
VISUAL ARTS – ART AND DESIGN – Elective Unit .....	12
VISUAL ARTS - ART PRINT – Elective Unit.....	13
VISUAL ARTS - DIGITAL DISCOVERY– Elective Unit.....	13
VISUAL ARTS – VISUAL COMMUNICATION DESIGN – Elective Unit .....	13
PERFORMING ARTS – PRODUCTION STUDIES – Elective Unit .....	14
PERFORMING ARTS – DRAMA – Elective Unit .....	14
PERFORMING ARTS - DANCE – Elective Unit.....	14
PERFORMING ARTS – MUSIC UNIT 1 – Elective Unit .....	15
PERFORMING ARTS – MUSIC UNIT 2 – Elective Unit .....	15
ENGLISH.....	16
ENGLISH Units 1 & 2 – COMPULSORY UNIT .....	16
LITERATURE – Elective Unit .....	16
WRITING FOR WRITERS – Elective unit .....	17
HEALTH AND PHYSICAL EDUCATION.....	18
ADVANCE – SPORTS LEADERSHIP - Elective Unit .....	18
ADVANCE – DUKE OF EDINBURGH – Elective Unit .....	19
HEALTH EDUCATION – COMPULSORY UNIT .....	19
PHYSICAL EDUCATION – COMPULSORY UNIT .....	20
BIKE EDUCATION – Elective Unit .....	20
HUMANITIES.....	21
HISTORY – MAKING THE MODERN WORLD – Compulsory unit .....	21
ECONOMICS AND BUSINESS – Elective Unit .....	21
WORLD OF WORK – COMPULSORY UNIT .....	22
HAZARD GEOGRAPHY – Elective Unit .....	22
LANGUAGES .....	23
GERMAN UNIT 1 & UNIT 2 – Elective Unit .....	23

MANDARIN UNIT 1 & UNIT 2 – Elective Unit .....	23
MATHEMATICS.....	24
MATHEMATICS UNITS 1 & 2 – COMPULSORY UNIT .....	24
MATHEMATICS – HOW LONG IS A PIECE OF STRING? –Elective Unit.....	25
SCIENCE.....	26
SCIENCE UNITS 1 & 2 – COMPULSORY UNIT .....	26
TECHNOLOGY.....	27
FOOD STUDIES - SPECIAL OCCASION FOODS – Elective Unit.....	27
FOOD STUDIES – FOOD FOR LIFE – Elective Unit.....	28
YEAR 9 FOOD STUDIES – Elective Unit.....	28
PRODUCT DESIGN - TEXTILE DESIGN – Elective Unit .....	29
PRODUCT DESIGN – COSPLAY & GARMENT CONSTRUCTION – Elective Unit .....	29
PRODUCT DESIGN – METAL – Elective Unit .....	30
PRODUCT DESIGN – Wood STORAGE SOLUTIONS – Elective Unit.....	30
PRODUCT DESIGN – Wood SUSTAINABLE PRODUCTS – Elective Unit .....	31
SYSTEMS ENGINEERING – ROBOTICS – Elective Unit .....	31
DIGITAL TECHNOLOGIES – GAME DEVELOPMENT – Elective Unit.....	32

*Mooroolbark College supports and promotes the principles and practices of Australian democracy, including a commitment to:*

- *Elected government*
- *The rule of law*
- *Equal rights for all before the law*
- *Freedom of religion*
- *Freedom of speech and association*
- *The values of openness and tolerance.*

*Nothing in the clause is intended to affect the rights accorded to, or the compliance with any obligation imposed on, a school under an action of the State or of the Commonwealth.*

### **SCHOOL INJURIES AND INSURANCE**

*Parents and Guardians are reminded that the Department of Education and Training does not provide personal accident insurance or ambulance cover for students. We would recommend families check their ambulance cover as the school will put student health and safety as the number one priority in an emergency. Parents/guardians of students, who do not have student accident insurance, are responsible for paying the cost of medical treatment for injured students, including the cost of ambulance attendance/transport and any other transport costs; and Parents/guardians can purchase insurance policies from commercial insurers but we are not in a position to recommend any particular product. Also, a reminder to parents/guardians that the Department does not hold insurance for personal property brought to schools and it has no capacity to pay for any loss or damage to such property.*

*Students are provided with access to a locker but must supply their own lock and to not share their locker or provide access to any other student. All lockers are located in view of the CCTV system but the College and DET cannot take responsibility for any loss.*



## MATTERS FOR YOUR CONSIDERATION

### HOMEWORK

To obtain the most benefit from schooling, each student needs to spend some time on homework and home study.

**Homework** includes definite additional tasks set by teachers to be completed at home, completion of unfinished assignments commenced at College and completion of notes and other work missed during absence from classes.

**Home Study** includes following up, practising, learning and consolidating (revising) classwork.

Both homework and home study are necessary to develop responsible attitudes towards the use of time and to develop effective work habits. It is suggested that the average amount of homework/home study per weeknight at Year 9 should be 1.5 – 2 hours.

### NON-SCHOOL VACATION DAYS

Parents are requested to discuss unavoidable planned long term absences with their student's Cluster Leaders well ahead of time so that appropriate work can be arranged. School work otherwise missed may not be credited. It is recommended that parents do not plan long term holidays in school time.

### COLLEGE PLANNER

All students must have the 'Mooroolbark College' Planner. This Planner is to be used only for College based activities. Graffiti and personal notes are not permitted. Remember, this Planner is a means of communication between the home and the College. Parents are encouraged to make use of the Planner to communicate with staff on a range of issues including homework and progress of their child. The College planner is to be signed weekly by parents/guardians.

### COLLEGE FEES

The cost of each Year 9 program can be paid in instalments via Bpay, credit card and/or cheque/cash or payment plan. There are also Essential Education costs for Year 9 elective units. These Curriculum and Materials charges for each unit are an approximate cost based on 2018 figures. These costs are subject to change and are due before courses can be confirmed in Term 4, 2018.

When selecting a course there is an expectation that students purchase the required textbooks and requisites listed in the booklist for specific subjects. Students also need to ensure that they have adequate printing and internet credits to meet the requirements of the course.

Transport to Sporting venues outside the College as part of the Sports program and involvement in co-curricular activities such as excursions, camps, outdoor education and instrumental music lessons, will require students to pay an additional charge.

## TASMANIA TOUR

The Year level camp for Year 9 2019 will occur on Group A –Sunday 31<sup>st</sup> March till Thursday 4<sup>th</sup> April 2019 and Group B Monday 1<sup>st</sup> April to Friday 5<sup>th</sup> April 2019. Group A will fly up and return on the Spirit of Tasmania and Group B will travel across on the Spirit of Tasmania and will fly back. Details of the Tasmania Tour have already been made available to students at a specially arranged meeting.

## NATIONAL ASSESSMENT PROGRAM – LITERACY AND NUMERACY (NAPLAN)

At Year 9 students will take part in the National Assessment Program – Literacy and Numeracy (NAPLAN) TESTING Program to determine progress Reading, Writing, Language Conventions (Spelling, Grammar and Punctuation) and Numeracy.

## REPORTING AND ASSESSMENT

Reporting at Mooroolbark College is primarily designed to improve student learning by providing parents with a picture of their child's development over time. Teacher assessment is made against the Victorian Curriculum Achievement Standard and is based on a range of assessment processes and evidence such as teacher observations, annotated student work samples, tests, portfolios, exhibitions and presentations.

Through these reports, assessment information is communicated to students and parents to provide information about what students know and can do, along with recommendations for their future learning.

Student progress is regularly monitored and teachers provide ongoing, constructive feedback to students that focus on ways their learning can be further developed. This process develops students' capacity to reflect on their learning, their successes and areas for further learning - and hence assist their development as independent, life-long learners. Teachers' provide interim reports at the end of Term 1 and Term 3 followed by Parent/ Teacher/Student conferences. At the conclusion of each semester, comprehensive written reports are published.

## COMPASS

Compass is the College's Learning Management System. It is available for access 24/7 at <http://mooroolbarkcollege.vic.jdlf.com.au>

Compass is our primary electronic communication system between teachers and their students. Teachers make selected materials, activities or assignments available for students so that they may access them at anytime.

The out of school hours availability enables students to take a responsible approach to managing their time and gives them the flexibility to ensure they meet deadlines.

## INSTRUMENTAL MUSIC

The Instrumental Music Program is an extra-curricular program which offers tuition in a variety of instruments; Woodwind, Percussion, Piano, Guitar, Bass Guitar and Voice. The program gives students the opportunity to gain technical and performance skills and an overall knowledge of their chosen instrument.

Students intending to study music through the VCE Music Performance are highly recommended to continue to have lessons.

### Learning Outcomes

- Students learn how to play an instrument of their choice
- Students gain an understanding of how to read music for the instrument they play
- Students gain skills in performance
- Students gain skills in aural – comprehension relative to their instrument

### Curriculum Focus

- The development of instrumental playing skills
- The development of music reading and performance skills
- The development of aural skills
- Student participation in public performances and given opportunity to see music performances

### Assessment

- Unit Results of either Satisfactory or Not Satisfactory are given
- Performance, Aural and Reading skills are rated by ticks ranging from Excellent, Very Good, Satisfactory and Unsatisfactory.
- Attitudes and behaviours are also rated by ticks ranging from Consistently, Usually, Occasionally and Rarely

### Class requirements

Students need to have their own instrument, but limited number of woodwind and brass instruments are available for hire. Students need to have a current signed contract and have their Levies fully paid up before commencement of their first lesson. Payment plans can be arranged with the General Office if required.

In conjunction with the program there are many musical groups which students can choose to be involved in. These include percussion ensembles, choir and concert band, keyboard ensemble, guitar ensemble and musical production

An Essential Education Cost of \$200.00 Per Semester – Plus \$85.00 Instrument Hire if required.



## UNIFORM

Girls - Summer		Boys - Summer	
Dress	Mooroolbark College dress	Shorts & Polo Shirt	Tailored navy blue shorts
Shorts & Polo Shirt	Tailored navy blue shorts and white polo shirt with College logo	Polo Shirt	White polo shirt with College logo
Jumper	Navy blue College jumper with logo or College rugby jumper	Jumper	Navy blue College jumper with logo or College rugby jumper
Socks	Plain white socks that cover the ankle or knee length	Socks	Plain white socks that cover the ankle
Shoes	Black polishable lace up or buckled school shoes	Shoes	Black polishable lace up or buckled school shoes
Girls - Winter		Boys - Winter	
Skirt	Mooroolbark College tartan skirt (Douglas tartan)	Trousers	College grey trousers
Trousers	Navy blue trousers	Polo Shirt	White College polo shirt ( A plain white long sleeve or plain short sleeve t-shirt may be worn underneath the polo shirt for warmth)
Polo Shirt	White College polo shirt ( A white plain long sleeve or plain short sleeve t-shirt may be worn underneath the polo shirt for warmth)	Shirt	A plain white long sleeve business style shirt (Year 11 and 12 only)
Shirt	A plain white long sleeve business style shirt (Year 11 and 12 only)	Jumper	Navy blue College jumper with logo or College rugby jumper
Jumper	Navy blue College jumper with logo or College rugby jumper	Socks	Grey, black or white
Stockings	Plain black or navy blue stockings or tights  (Matching ankle socks may be worn over the top of stockings for warmth)	Jacket	The College jacket is the only permissible jacket to be worn.  Year 12 students may wear the customised jackets
Socks	White socks that cover the ankle or knee length	Shoes	Black polishable lace up or buckled school shoes
Shoes	Black polishable lace up or buckled school shoes	Scarves	Plain scarves in navy, white, dark green, black or Douglas tartan
Jacket	The College jacket is the only permissible jacket to be worn.  Year 12 students may wear the customised jackets		
Scarves	Plain scarves in navy, white, dark green, black or Douglas tartan		

**Note: Summer and winter uniform may not be combined.**

PE/Sports Uniform	
Polo Shirt	Navy and green College sports polo shirt
Shorts	Mooroolbark College navy sports shorts
Tracksuit pants	Navy or Black tracksuit pants or black leggings
Shoes	Lace up sports shoes
Jumper	College Rugby Jumper
Hat	A plain navy hat must be worn terms 1 & 4
Additional items	It is recommended that all students bring a drink bottle, sunscreen and a mouth guard to all sports classes/activities

It is recommended that a plain navy cap be worn whenever a student is outside. No hats/caps are to be worn inside; they are to be stored in lockers during class time.

## YEAR 9 COURSE OFFERINGS

### ENGLISH

#### **English (Semesters One and Two)**

Literature  
Writing for Writers

### SCIENCE

#### **Science (Semesters One and Two)**

### ARTS

Art Ceramics  
Art and Design  
Art Print  
Digital Discovery  
Visual Communication Design  
Production Studies  
Drama  
Dance  
Music Unit 1  
Music Unit 2

### EXTRA CURRICULA

Instrumental Music

### HUMANITIES

**History - Making The Modern World (one Semester)**

#### **World of Work (One semester)**

Economics and Business  
Hazard Geography

### TECHNOLOGY

Special Occasion Food  
Food for Life  
Food Studies  
Textile Design  
Cosplay & Garment Construction  
Metal  
Storage Solutions  
Sustainable Product  
Robotics  
Game Development

### HEALTH/PE

**Physical Education (Semester One & Two)**  
**Health Education (One semester)**

Advance – Sports Leadership  
Advance – Duke of Edinburgh  
Bike Education

### MATHEMATICS

#### **Mathematics Unit 1**

#### **Mathematics Unit 2**

Mathematics Elective –How long is a piece of string?

### LANGUAGES

German Unit 1  
German Unit 2  
Mandarin Unit 1  
Mandarin Unit 2

**NB All the subjects that are bold are compulsory**

## THE ARTS

One unit from The Arts must be studied in either semester one or semester two.

### VISUAL ARTS - ART CERAMICS – ELECTIVE UNIT

#### INTRODUCTION

This 3 dimensional art form offers you a chance to make truly impressive artworks, both sculptural and utilitarian, with no prior skills. Ceramics is a perfect choice for the artistically inspired amongst you who enjoy a creative challenge, and equally as perfect for students who enjoy art but lack confidence in their abilities. You will be taught to design, sculpt and mould an array of clay pieces that you can be proud of. You will learn to use oxides, glazes and decorative techniques to accent the aesthetic appeal of your work, while learning about equipment, processes and the work of other artists in an enjoyable and thorough appreciation of this exciting medium.

#### SKILLS

- Creativity, planning and designing process.
- Analysing and evaluating skills.
- Reflective skills and process.
- Ceramic specific skills and techniques.

An Essential Education Cost of \$50.00 applies to this unit. (approximate)

### VISUAL ARTS – ART AND DESIGN – ELECTIVE UNIT

#### INTRODUCTION

Pencil, paint, pastel, paper all produce products that are made of picturesque potential. With Art you have the opportunity to create your own works with a theme or topic that is creative, imaginative and exciting. Explore different mediums and materials to express your ideas visually. Analyse and interpret artworks to explore the different forms of expression intentions and viewpoints of artist and how they are viewed by audiences.

#### SKILLS

- Observational and design
- Analysis and interpretation process.
- Drawing and painting specific skills

An Essential Education Cost of \$30.00 applies to this unit (approximate).

## VISUAL ARTS - ART PRINT – ELECTIVE UNIT

### INTRODUCTION

Use different mediums and skills to broaden your knowledge of printmaking and design. Find out about the artists who use printing as a very strong and influential art style. You don't have to be brilliant at drawing, however 'having a go' and trying this alternative medium will help you to be more creative and explore design ideas for folio enhancement. Enjoying a challenge and seeing through the printing process can produce great artworks. Discovering artists that use this method of producing artworks and interpreting their work will give students a better understanding of the processes and skills used in Art Printmaking.

### SKILLS

- Observation and interpretation
- Print making and drawing skills
- Design process

An Essential Education Cost of \$35.00 applies to this unit. (approximate)

## VISUAL ARTS - DIGITAL DISCOVERY– ELECTIVE UNIT

### INTRODUCTION

Do you want to learn the art of photo manipulation? Are you a budding animator? Or do you like the idea of running your own magazine one day? If so, this is the subject for you! Digital Discovery will cover both the theoretical and practical aspects of digital design. The course will include the use of Photoshop, Illustrator, In Design and allow you to develop the skills necessary to use these programs.

### SKILLS

- Researching and organisational skills
- Layout preparation and design
- Interpretation of styles
- Analysis skills
- Use of digital software and hardware

An Essential Education Cost of \$45.00 applies to this unit.

## VISUAL ARTS – VISUAL COMMUNICATION DESIGN – ELECTIVE UNIT

It is advisable for students to complete at least ONE unit of Visual Communication Design at Year 9 or Year 10 if they want to continue with VCE Visual Communication Design.

### INTRODUCTION

There are many drawing methods, media and materials to help you achieve your creative goals. You can learn these skills and more in Visual Communication Design. Design suitable solutions to given design briefs that will display your creative flair and talents, as well as, learning presentation skills, layout and technical drawing.

### SKILLS

- Freehand drawing rendering skills
- Development of design process
- Analysis of designer's process

An Essential Education Cost of \$20.00 applies to this unit (approximate).

## PERFORMING ARTS – PRODUCTION STUDIES – ELECTIVE UNIT

### INTRODUCTION

All over the world, there are stories every day in every way. So what makes a good story? How do you write a good story? How do these stories get translated onto stage and onto screen? In Year 9 Production Studies, students are introduced to the 'building blocks' of story writing, or 'narrative structure'. They are then shown how using production techniques, better known as 'stagecraft', to enhance their story for the masses. If you would like to study Theatre Studies or Media at VCE level, it would be advised that you take this subject.

### SKILLS

- Script writing and story writing.
- Production technique on stage and/or on film.
- Stagecraft

An Essential Education Cost of \$25.00 applies to this unit (approximate).

## PERFORMING ARTS – DRAMA – ELECTIVE UNIT

### INTRODUCTION

Are you the next Christian Bale or Scarlett Johansson? They all had to start somewhere, and chances are it was in an introductory acting class just like this one. So if you are dreaming of the footlights, Hollywood or simply want an opportunity to develop confidence and performance skills—this class is for you. Students can develop acting skills and have the opportunity to rehearse and create performances with other class members. All of the seeds of a star-studded career may begin here!

### SKILLS

- Rehearsal, planning and performance
- Improvisational performance skills
- Ability to use a stage effectively
- Creative development of narrative

An Essential Education Cost of \$25.00 applies to this unit (approximate).

## PERFORMING ARTS - DANCE – ELECTIVE UNIT

### INTRODUCTION

Dance is an elective subject designed for students who wish to develop the knowledge and skills used in the art of Dance. Students will develop physical and expressive skills used in dance to communicate different ideas and expressive intentions. Through practical and theoretical classes students will learn the history of different dance styles. Students will use their learnt knowledge to work independently and in groups in order to choreograph and perform.

### SKILLS:

- Demonstrate physical and expressive skills
- Communicate an expressive intention through dance
- Develop choreograph skills both independently and in groups
- Recognise different dance styles by movement patterns and phrases

An Essential Education Cost of \$30.00 applies to this unit (approximate).

## PERFORMING ARTS – MUSIC UNIT 1 – ELECTIVE UNIT

It is advisable that students complete at least one unit of music at Year 9 if they wish to study at Year 10 & VCE Music Performance. Instrumental/Vocal lessons are highly recommended.

### INTRODUCTION

Students gain experience in Solo and Group performance on their chosen instrument. Skills in music reading, writing and aural perception are further developed from Year 8. A research task centering on a Favourite Artist is undertaken.

### SKILLS

- Music Theory
- Aural Comprehension
- Performance skills
- Listening Analysis

An Essential Education Cost of \$40.00 applies to this unit (approximate).

## PERFORMING ARTS – MUSIC UNIT 2 – ELECTIVE UNIT

It is advisable that students complete at least one unit of music at Year 9 if they wish to study at Year 10 & VCE Music Performance. Instrumental/Vocal lessons are highly recommended.

### INTRODUCTION

Learn to perform as a member of a group, on your chosen instrument or voices. Choose your own music, record your performances using music technology and develop listening analysis skills.

### SKILLS

- Music Theory
- Aural Comprehension
- Performance skills
- Listening Analysis

An Essential Education Cost of \$40.00 applies to this unit (approximate).

# ENGLISH

## ENGLISH UNITS 1 & 2 – COMPULSORY UNIT

### INTRODUCTION

This course is designed to assess and improve current skill levels and to introduce new skill areas for Year 9 students. Reading, writing mechanics, speaking and listening skills are emphasised.

### SKILLS

- Written skills including vocabulary, spelling, punctuation, grammar, editing and drafting skills
- Analyse a variety of texts (including a selection of fiction, poetry, newspapers, magazines and film) and respond in a variety of styles
- Develop listening and speaking skills via formal and informal tasks
- Read widely and reflect on the reading completed

An Essential Education Cost of \$20.00 applies to this unit (approximate).

## LITERATURE – ELECTIVE UNIT

### INTRODUCTION

Literature is run as an elective unit for one semester. Students who choose this course should enjoy reading and be prepared to read a substantial amount of material.

Students are required to read a class novel chosen by the teacher. They should also read at least two novels by an author of their choice, recording responses in the reading journal. Students will view a film and analyse the themes and characters in the story. Students will write detailed responses to the novel, film and poetry selected by the teacher. They will also be required to write creatively in response to the texts and genres studied.

### SKILLS

- Develop skills in text response writing
- Selecting and reading appropriate texts
- Use a reading journal to record relevant information on texts
- Interpretation of poems by a variety of poets on various themes

An Essential Education Cost of \$15.00 applies to this unit (approximate).

## WRITING FOR WRITERS – ELECTIVE UNIT

### INTRODUCTION

*Writing for Writers* is an elective aimed at students interested in developing their own creative writing styles through the study of writing strategies and skills, and the analysis of short stories across a range of genres. Students will be introduced to the conventions of writing such as character, setting, dialogue, imagery, structure and intertextuality. Students will develop their own pieces of writing through a drafting process and workshopping stories with the class.

### SKILLS

- Learn the conventions of writing short fiction
- Apply these concepts to their own written work
- Analyse these concepts in a published short text
- Learn how to draft and workshop their own written pieces

An Essential Education Cost of \$15.00 applies to this unit (approximate).

# HEALTH AND PHYSICAL EDUCATION

## ADVANCE – SPORTS LEADERSHIP - ELECTIVE UNIT

Entry into this subject is based on application. Students who select this subject within their preferences should also submit the supporting documentation (as outlined during course counselling).

### INTRODUCTION:

This course takes students out of the classroom and offers them a range of opportunities in youth leadership and community service. Students are responsible for planning, organising and running the course, with a focus on carrying out community service in their local area. This course usually focuses on sports leadership where students teach a range of sporting activities to grades 1-6 in primary schools around Mooroolbark.

### Semester 1:

Students develop the team building and leadership qualities needed, through a series of outdoor activities. These may include Rock Climbing, Orienteering, Mountain Biking, Sailing, Life Saving, Bushwalking, Archery, Surfing, Kayaking, Camping, Laser Strike and Commando Course. Students will also gain qualifications in AFL umpiring (with opportunities to umpire Auskick at the MCG & Etihad Stadium,) first Aid, and Bronze Medallion/Bronze Star.

### Semester 2:

Students use their leadership qualities, planning and organisational skills to run a series of sporting lessons with the local primary schools. AFL, Soccer, Cricket, Basketball, Dodge Ball and Netball, are some of the sporting lessons delivered. Students will also coach and officiate an athletics programme. Students also volunteer to coach or officiate a range of primary inter-school sports.

### SKILLS

- Planning and budgeting of team building activities
- Working with others, appreciating their strengths and weaknesses
- Using and evaluating their own strengths and weaknesses
- Planning and running sporting activities
- Understanding of leadership and role modelling
- First Aid qualified – Level 1
- Umpiring qualifications
- Bronze Medallion

An Essential Education Cost of \$310.00 applies to this unit (approximate).

## ADVANCE – DUKE OF EDINBURGH – ELECTIVE UNIT

Entry into this subject is based on application. Students who select this subject within their preferences should also submit the supporting documentation (as outlined during course counselling).

### INTRODUCTION

The Duke of Edinburgh Award is an internationally recognised award that engages students by providing an alternate learning environment, outside the regular classroom structure. The Award empowers students to take responsibility for themselves as they will encounter a wide range of challenges throughout the program. Students will complete the four sections during the year in order to obtain the Bronze level.

#### Semester 1:

Students will develop teamwork and leadership qualities through a series of outdoor activities. These will possibly include Orienteering, Wheelchair Basketball, Team Building Activities, Level 1 First Aid and a 3-day trial expedition involving Bushwalking, Camping & Cooking, a great Amazing Race/City experience and activities to increase general fitness levels to prepare for expedition.

#### Semester 2:

During term 3, Bike Education will be the focus, covering maintenance, road safety and bike skills. Further outdoor activities will take place together with theory based lessons to prepare for the different environments. These activities will possibly include Surfing, and the final 3 day test expedition building upon our Bushwalking, Camping & Cooking skills.

#### Special requirements:

The course does require students to be off site and be available for late finishes some weeks (3.30-4.00pm). Those wishing to apply must fill out the application form printed from the College website and this form must be submitted with the completed Course Selection Form. Following submission students may then need to sit an interview

### SKILLS

- Self-belief and self confidence
- A positive and realistic self-image
- A sense of responsibility to others
- A connection to the local community
- New or improved interests, skills, and abilities
- A willingness to try new things
- New friendships and relationships with their peers and older people
- The ability to make a plan and then make their plan happen
- Team work and leadership skills

An Essential Education Cost of \$375.00 applies to this unit (approximate).

## HEALTH EDUCATION – COMPULSORY UNIT

### INTRODUCTION

Health Education is a compulsory elective for all students, studied for one semester in Year 9. The aim of this course is to provide all students with the knowledge, skills and behaviours to enable them to develop and maintain their physical, social, mental and emotional health and wellbeing.

The four units of study are Mental Health, Sex Education, Respectful Relationships and Drug Education

### SKILLS

- Explore the concepts of challenge, risk and safety
- Identify the harms, and issues associated with particular situations and behaviours
- Identify how to take action to minimise these harms
- Develop an understanding of health services and how to access them

An Essential Education Cost of \$30.00 applies to this unit (approximate).

## PHYSICAL EDUCATION – COMPULSORY UNIT

### INTRODUCTION

Physical Education is a compulsory subject for all students. The program encourages effective participation in physical activity in both individual and team pursuits. Students will undertake studies in Cricket, Lacrosse, Gymnastics, Volleyball, European Handball, Rugby, Fitness and Resistance training.

### SKILLS

- Identify and implement ways of improving movement performances.
- Compare and contrast a range of strategies in skill and teamwork.
- Refine techniques and movements within a team structure.
- Enhance their understanding of fitness.
- Identify community values and responsibilities through the SEPEP program.

An Essential Education Cost of \$35.00 applies to this set unit (approximate).

## BIKE EDUCATION – ELECTIVE UNIT

### INTRODUCTION

This is an elective designed for the student who wishes to develop knowledge and skills in the Fitness, Sport and Recreation areas, specific to Cycling.

Students will develop bike handling skills, road rules knowledge and bike maintenance both in theory and practical classes. Rides will take on a number of varying terrain including road, single track and bike paths with an emphasis on team riding. A series of excursions is planned which may include Warburton trail, Lysterfield, Lilydale, Kilsyth, East Link, Melbourne City. (Overnight Camps are possible). Linking the course to optional activities like Around the Bay, Anaconda Chase the Sun and Great Victorian Bike Ride is desired.

This course will benefit those considering studying VCE Physical Education Units 1-4 and Outdoor Environmental Studies Units 1-4. Students **must** stay up to date with and complete all Common Assessment Tasks to qualify to complete all major rides.

### SKILLS

- Demonstrate detailed knowledge of Bike components and maintenance
- Develop skills in Independence, Teamwork and Community Safety
- Develop bike handling skills or team riding skills
- Working in Teams
- Display Independence

An Essential Education Cost of \$165.00 applies to this unit (approximate).

# HUMANITIES

In addition to World of Work and Making The Modern World, one unit of Humanities must be studied in either semester one or semester two.

Humanities cover the subjects of Economics, Business, History and Geography. Students should study these subjects to develop knowledge, skills, values and a corresponding sense of identity. Through understanding their past, their physical environment, the social, democratic and economic fabric of their nation, students gain an understanding of their place in the global community.

## HISTORY – MAKING THE MODERN WORLD – COMPULSORY UNIT

### INTRODUCTION

This unit provides a study of the making of the modern world from 1750 to 1918, from an Australian perspective. It was a period of industrialisation and rapid change in the ways people lived, worked and thought. The period culminated in World War 1. On completion of this unit, students will have covered the following: Making a better world – movement of people (slaves, convicts, settlers); Australia and Asia the history of Australia in the period 1750 – 1918 (making a nation); World War 1 (1914 – 1918).

### SKILLS

- Critical and creative thinking
- Interpret, evaluate and analyse a range of primary and secondary resources
- Research and report on a set topic
- Empathise with people's experiences from the past

An Essential Education Cost of \$15.00 applies to this unit (approximate).

## ECONOMICS AND BUSINESS – ELECTIVE UNIT

### INTRODUCTION

This unit will develop student understanding of the essential role Economics and Business play in our modern complex society. This will include: the effect of financial, economic and legal decisions; economic factors which drive societies from primitive to modern industrial societies; the interdependence of countries; competition and conflict of various sectors of the economy; money, banking and budgets.

### SKILLS

- Management skills
- Communication Skills
- Research skills
- Analysis of information gathered

An Essential Education Cost of \$15.00 applies to this unit (approximate).

## WORLD OF WORK – COMPULSORY UNIT

### INTRODUCTION

This semester length core unit examines the World of Work. Areas examined will include: careers, work and the future, taxation, personal money management, insurance, leisure and travel. Having completed World Of Work, students will be able to: describe the management of the Australian economy, demonstrate an understanding of personal and business financial management, describe factors that affect opportunities for current and future work, and analyse pathways and educational training requirements to develop career paths.

### SKILLS

- Management skills
- Research skills
- Communication skills
- Analysis of information gathered

An Essential Education Cost of \$15.00 applies to this unit (approximate).

## HAZARD GEOGRAPHY – ELECTIVE UNIT

### INTRODUCTION

This subject includes two units: *Biomes and Food Security* looks at the major communities of plants and animals of the world (such as grasslands, coastal wetlands and deserts), their role in food and fibre production, environmental issues and the challenge of how to feed the world's population in the future. *Geographies of Interconnections* focuses on how people are connected to places and how these connections change environments throughout the world. It includes studies of tourism, fair trade, the geography of fear, and the trade of illegal wildlife.

### SKILLS

- Mapping and graphing
- Collecting and organising geographical data
- Drawing conclusions based on data analysis
- Presenting findings in a range of different forms

An Essential Education Cost of \$15.00 applies to this unit (approximate).

# LANGUAGES

The Australian Government stresses that in a global society and market, the learning of a Language other than English is important and is a valuable asset for students to acquire.

Year 9 students need to study one unit of German in order to meet the requirement for continuing German in Year 10, but it is recommended that two units be selected.

## GERMAN UNIT 1 & UNIT 2 – ELECTIVE UNIT

### INTRODUCTION

Year 9 German units encourage students to continue learning German through a number of interesting topics. Activities include short interviews, talking about themselves, family and friends, expressing likes and dislikes, travel conversations and studying a DVD series about German Teenagers in Berlin. German writing, reading, listening and speaking skills will be further extended in these units. Unit 1 German must be undertaken before attempting Unit 2. Students are encouraged to consider enrolling in both units of work for maximum benefits.

### SKILLS

- Talk about themselves, friends, family and daily experiences
- Express likes and dislikes
- Understand main points of written and spoken texts on topics studied
- Ask and answer simple questions
- Write short scripts of linked sentences
- Use present, past and future tense in written and verbal exchanges
- Understand German culture and geography

An Essential Education Cost of \$30.00 applies to this unit (approximate).

## MANDARIN UNIT 1 & UNIT 2 – ELECTIVE UNIT

### INTRODUCTION

These units encourage students to continue learning Mandarin through a number of interesting topics. Activities include short interviews, talking about themselves, family and friends, expressing likes and dislikes and travel conversations. Mandarin writing in characters, reading, listening and speaking skills will be further extended in these units. Unit 1 Mandarin must be undertaken before attempting Unit 2. Students are encouraged to consider enrolling in both units of work for maximum benefits.

### SKILLS

- Talk about themselves, friends, family and daily experiences
- Express likes and dislikes
- Understand main points of written and spoken texts on topics studied
- Ask and answer simple question
- Write short scripts of linked sentences
- Use present, past and future tense
- Understand Chinese culture and geography

An Essential Education Cost of \$30.00 applies to this unit (approximate).

# MATHEMATICS

## MATHEMATICS UNITS 1 & 2 – COMPULSORY UNIT

### INTRODUCTION

Mathematics is a year-long core study for all Year 9 students.

In Mathematics, we aim that all students:

- Develop useful mathematical and numeracy skills for successful employment and functioning in society.
- Develop abilities to solve practical problems using mathematics.
- Develop an understanding of the role of mathematics in life, society and work.
- Develop specialist knowledge in mathematics that provides for further study.

### SKILLS

- Solve problems involving simple interest. Students use the distributive law to expand algebraic expressions, including binomial expressions, and simplify a range of algebraic expressions.
- Find the distance between two points on the Cartesian plane and the gradient and midpoint of a line segment using a range of strategies including the use of digital technology.
- Sketch and draw linear and non-linear relations, solve simple related equations and explain the relationship between the graphical and symbolic forms, with and without the use of digital technology.
- Solve measurement problems involving perimeter and area of composite shapes, surface area and volume of rectangular prisms and cylinders, with and without the use of digital technology.
- Explain similarity of triangles, interpret ratios and scale factors in similar figures, and apply Pythagoras's theorem and trigonometry to solve problems involving angles and lengths in right-angled triangles.
- Compare techniques for collecting data from primary and secondary sources, and identify questions and issues involving different data types.
- Construct histograms and back-to-back stem-and-leaf plots with and without the use of digital technology. Students identify mean and median in skewed, symmetric and bi-modal displays and use these to describe and interpret the distribution of the data.

An Essential Education Cost of \$30.00 applies to this subject.

## MATHEMATICS – HOW LONG IS A PIECE OF STRING? –ELECTIVE UNIT

### INTRODUCTION

How many ways can you tie a shoelace? Where did the equals sign come from? How many digits does  $\pi$  go on for? How can you use maths to invade a medieval village? How can you use Maths to find out how attractive someone is? How do advertisements get stuck into your head? And, exactly, how long is a piece of string?

If you are the type to ask “Why would we ever need to know this?” then this subject is not for you. *How long is a piece of string* is a program at the College that is designed for students who are good at maths and are interested in how numbers and arithmetic affect everything from the smallest microbe to the entire universe; from social occasions to wider populations.

If you are looking for a subject where you are:

- Studying mathematics beyond the standard, minimum requirement for Year 9
- Solving real life and hypothetical problems
- Building, drawing, writing and thinking with Maths
- Preparing for Year 10, VCE and beyond

Then this is the subject for you.

### SKILLS

- Gained an understanding of different mathematical theories
- Applied understanding of concepts to practical situations
- Learned how mathematics has contributed to history and the present day
- Acquired knowledge on how estimates can provide solutions to problems
- Sharpened their abilities to observe, record and note their surroundings

An Essential Education Cost of \$30.00 applies to this subject.

# SCIENCE

## SCIENCE UNITS 1 & 2 – COMPULSORY UNIT

Science is a core study for all Year 9 students and consists of 2 semester length units.

### INTRODUCTION

In this subject, students will reinforce their skills and understanding of the processes of science. Topics studied were selected from the nervous and hormonal body systems, atomic structure, chemical reactions, electricity, the dynamic earth and ecosystems.

Throughout the year students will:

- Investigate multicellular organisms and how their internal systems (nervous and endocrine) responding to changes in their environment.
- Examine ecosystems and the relationships between the biotic and abiotic components of the environment.
- Describe radioactivity in relation to atomic structure.
- Identify how new substances are formed using chemical reactions.
- Build electric circuits and investigate how they work.
- Explain the theory of plate tectonics and the origin of the universe

### SKILLS

- Design, conduct and report on experiments.
- Develop skills and practices in care and handling of equipment and materials.
- Develop dissection techniques.
- Accurate use of scientific equipment.
- Analysis of scientific issues.
- Organise information in tables and graphs.

An Essential Education Cost of \$35.00 applies to these units (approximate).

# TECHNOLOGY

One unit of Technology must be studied either in semester one or semester two.

This Key Learning Area comprises of the following three technological areas:

## **MATERIALS TECHNOLOGY**

Studies which are included in Materials Technology are:

Textile Design

Cosplay & Garment Construction

Special Occasion Foods

Year 9 Food Studies

Food for Life

Metal

Wood- Storage Solutions

Wood - Sustainable Products

## **SYSTEMS TECHNOLOGY**

Robotics

## **INFORMATION TECHNOLOGY**

Game Development

## FOOD STUDIES - SPECIAL OCCASION FOODS – ELECTIVE UNIT

### **INTRODUCTION**

This course focuses on design elements and creativity in the production of special occasion foods and edible gifts. Students are challenged with a broad range of skills and are introduced to current trends in the food industry. They will be given the opportunity to learn cake decorating skills and presentation skills, along with how to create the delectable appearance of specialty foods. Students will investigate the safety and hygiene requirements of working in the kitchen and with specialised tools and equipment. They will have the opportunity to explore special occasions across the world and produce related food products. The design process will be explored and students will select a specific client/group, function/event to use to create a “design brief” and subsequently produce a product to meet the brief.

### **SKILLS**

- Safe Food Handling and Hygiene practices
- Principles of Food Design
- Food Preparation Techniques
- Evaluation Techniques

An Essential Education Cost of \$85.00 applies to this unit (approximate).

## FOOD STUDIES – FOOD FOR LIFE – ELECTIVE UNIT

### INTRODUCTION

We are what we eat. Is this true? Find out what foods are really doing to your body and health. What do you need to eat to keep your body working to its optimum? Analyse your diet using current food models. Is there such a thing as “healthy” fast food? Investigate popular fast food outlets and discover which foods are really good for you. During this unit you will develop real life skills in preparing a variety of foods using a range of cooking methods maximising foods nutritional value and develop skills in the safe and hygienic use of a range of tools and equipment in the kitchen. Students will respond to design brief including research, production plans, production and evaluation. This unit provides you with skills and knowledge which will better equip you for future studies in foods.

### SKILLS

- Safe Food Handling and Hygiene practices
- Principles of Food Design
- Food Preparation Techniques
- Evaluation Techniques

An Essential Education Cost of \$90.00 applies to this unit (approximate).

## YEAR 9 FOOD STUDIES – ELECTIVE UNIT

### INTRODUCTION

Students will have the opportunity to produce a range of food products using a variety of techniques and processes. They will develop practical skills using tools and equipment safely and hygienically and apply theoretical knowledge to work practices. Students will also work as a team to develop a design brief identifying a client and theme, researching options and producing a production plan which is used to develop their end product. They will need to apply theoretical knowledge of key foods and processes to practical situations and then reflect and evaluate on their end product and skills and the processes used.

### SKILLS

- Safe Food Handling and Hygiene practices
- Principles of Food Design
- Food Preparation Techniques
- Evaluation Techniques

An Essential Education Cost of \$90.00 applies to this unit.

## PRODUCT DESIGN - TEXTILE DESIGN – ELECTIVE UNIT

### INTRODUCTION

This is a student driven subject. It's totally up to you what you decide to explore, design and produce with teacher help and guidance of course. If interior design interests you, consider redesigning and decorating your bedroom with fabric and textile products you designed and produced. Or create your own line of upcycled garments. Maybe you can design a range of bags, cushions or aprons. Explore fabric design using sharpies, rust printing, fabric dyeing and block printing just to name a few techniques. Your imagination is the limit in this subject therefore we are looking for creative, quirky, unique individuals with an interest in design.

### SKILLS

- Safe and correct working practices
- Principles of design
- Textile and Fabric Construction Techniques
- Evaluation Techniques
- Drawing & development skills

An Essential Education Cost of \$50.00 applies to this unit (approximate).

## PRODUCT DESIGN – COSPLAY & GARMENT CONSTRUCTION – ELECTIVE UNIT

### INTRODUCTION

Calling all cosplayers and future fashion designers! Finally a subject for you. In this unit you have the choice to either design and produce a cosplay outfit for your next convention OR design and produce a fashion item of your choice for your next party or just to make a statement. Bring your ideas, passion and enthusiasm and we will help you realise your potential. Learn tips and tricks as you create a folio of work you can be proud of. We will teach you all the technical skills you need to make your dream outfit. Learn about career pathways and how to get into the fashion industry.

### SKILLS

- Safe and correct working practices
- Principles of design
- Textile and Fabric Construction Techniques
- Evaluation Techniques
- Drawing & development skills

An Essential Education Cost of \$80.00 applies to this unit (approximate).

## PRODUCT DESIGN – METAL – ELECTIVE UNIT

### INTRODUCTION

Students will use a variety of ferrous and non-ferrous materials to produce a range of projects. There will be a broadening of skills learned in Year 8 along with the introduction of lathe work and oxygen and acetylene welding. If you can draw it, you can make it.

During this unit, students will complete a range of design proposals, full designs and products. They will research and present a written assignment and complete a workbook and evaluation journal. This subjects will show students that if you can draw it, you can make it.

### SKILLS

- Safe and correct working practices
- Principles of design
- Machine processes, oxy welding techniques
- Evaluation Techniques
- Drawing & development skills

An Essential Education Cost of \$70.00 applies to this unit (approximate).

## PRODUCT DESIGN – WOOD STORAGE SOLUTIONS – ELECTIVE UNIT

### INTRODUCTION

Students are introduced to: safe working practices and environmental issues; the production and assembly of a simple material testing; design issues relating to the product including function and aesthetics; evaluation of work practices and related competency of tool handling and techniques.

During this unit, students will develop an understanding of the characteristics of materials and their effect on product design. They will design a product considering function, aesthetics, materials and processes. Students will also obtain an understanding of how to evaluate the effectiveness of a produce. This subject will focus specifically on constructing wooden products and furniture construction and design techniques.

### SKILLS

- Safe and correct working practices
- Principles of design
- Wood Construction, Finishing and Assembly Techniques
- Evaluation Techniques
- Drawing & development skills

An Essential Education Cost of \$50.00 applies to this unit (approximate).

## PRODUCT DESIGN – WOOD SUSTAINABLE PRODUCTS – ELECTIVE UNIT

### INTRODUCTION

Students experience: safe working practices and environmental issues; the production and assembly of a timber product; simple material testing; design issues relating to the product, including function and aesthetics; evaluation of work practices and related competency in tool handling and techniques.

During this unit, students will develop and understand the characteristics of materials and their effect on product design. They will design a product considering function, aesthetics, materials and processes. This subject has a specific focus on sustainable products and recycled/repurposed materials.

### SKILLS

- Safe and correct working practices
- Principles of design
- Wood Construction, Finishing and Assembly Techniques
- Evaluation Techniques
- Drawing & development skills

An Essential Education Cost of \$50.00 applies to this unit (approximate).

## SYSTEMS ENGINEERING – ROBOTICS – ELECTIVE UNIT

### INTRODUCTION

Are you a creative person? Do you think engineering is a possible career choice? Look no further than robotics!

In this subject students will look at all aspects of creating a robot; design build, and testing their robots, just like a real engineer. To get an idea of what our robot will look like once it's completed students will be able to create a 3D image prior to building it, using design software. Students will get to take home a finished robot, as well as testing concepts and ideas using LEGO Mindstorms to program, as well as looking at the Arduino, a method of control.

### SKILLS

- Designing
- Creating
- Programming
- Modifying
- Gearing

An Essential Education Cost of \$80.00 applies to this unit (approximate).

## DIGITAL TECHNOLOGIES – GAME DEVELOPMENT – ELECTIVE UNIT

### INTRODUCTION

Have you ever wanted to make your own computer game?

In this unit students will develop skills and knowledge in an object oriented programming language. They will learn how to design, document and code simple programs using a variety of tools. They will be introduced to algorithms and their role in problem solving; fundamental programming constructs; programming best practice, syntax and semantics; the application of basic Game Theory and simple logic. They will learn and apply these skills in creating a game of their own design.

### SKILLS

- Construct Rules Systems
- Use fundamental Logic Constructs
- Software Skills
- Problem solving problem
- Evaluation Skills

An Essential Education Cost of \$30.00 applies to this unit (approximate

