

Mirboo North
Secondary College



Year 10 Handbook 2020

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Elective Units Offered in 2020

Descriptions of the following subjects are contained in this handbook.

Arts

Digital Photography
Introduction to VCE Art

Languages

German (semester 1)
German (semester 2)

Physical Education

Active Sport
Challenge and Adventure
Leisure Sports

Technology Studies

Food Today
Introduction to Cabinet Making
Visual Communication and Design

Year 10 Outlook

Year 10 at Mirboo North Secondary College (MNSC) is part of the College Senior School. This allows a greater focus on preparing students for the Victorian Certificate of Education (VCE) and other future pathways, study or work choices.

Students will be required to satisfactorily meet outcomes in English, mathematics, science and history. Students will also select from a range of electives that build on the work they have undertaken in year 9.

All year 10 students will be encouraged to undertake one VCE subject, or they may choose to undertake 'work ready'. Undertaking a VCE subject allows students to develop an awareness of the expectations required of them in future studies.

The growing maturity and independence of year 10 students will continue to be supported by a one-week work experience placement, in addition to the school's careers program that will enable students to make informed future pathways decisions.

Students will also be encouraged to participate in a broad range of co-curricula activities such as; the exchange program with our German sister school, senior school forums, year 7 'peer support' program, keys please, sport, school production, the South Gippsland Schools Music Program, and a wide variety of leadership options.

Year 10 Counselling

Compulsory subjects and counselling ensure that students complete a wide variety of subjects. Counselling will be scheduled for all current year 9 students during Term 3.

Although all VCE subjects are open entry, it is important to realise that some year 10 subjects are essential preparation for future study. Students wishing to complete German at VCE should ensure that they do not drop the language in Year 10.

Mathematics is another area where students need to be careful and should carefully discuss their options before limiting their choices in the future.

Students are encouraged to seek careers advice before dropping mainstream mathematics or German.

Getting Careers Advice

There are many resources available which will provide you with information on Career Pathways.

The careers room is a good starting point. There are a number of resources which can help. Job Guides and University & TAFE Handbooks are available for loan. Career Easy is another computer package that is particularly useful for Year 10 students when they are planning their VCE. Students can simply make a time to drop into the careers room and parents are also welcome to phone and make an appointment.

Teachers and coordinators are another important source of information. They will be able to tell you how you are going and assist you in deciding whether you would cope with a subject at VCE level.

Other organisations such as Tertiary institutions and Group Training Companies are more than happy to have parents and students visit their facilities and discuss career options. Most also have their own web sites.

Taking the time to visit tertiary (both university & TAFE) open days is often advantageous. These open days are *generally* held in August and September. Many open days are held at the same time, so students who leave it all until year 12 often find they cannot visit all the ones they would like.

Assessment and Reporting Policy

The current reporting Policy is based on the following program.

| | | |
|-----------------------------|---|-----------------------------------------------------------|
| *During and end of Term I | - | Interim reports and Parent/Teacher Interviews |
| *End of Term II | - | Interim reports/Written Semester Report for each subject. |
| *During and end of Term III | - | Interim reports and Parent/Teacher Interviews |
| *End of Term IV | - | Interim reports/Written Semester Report for each subject. |

Authentication

In order to meet the requirements for satisfactory completion of a unit, students must submit work that is clearly their own. Apart from reference to, and incorporation of appropriate texts and source material, no part of a student's work may be copied from any other person's work, nor should a student accept undue assistance from any other person in the preparation and submission of work.

Due Dates, Deadlines and Extensions

For each Task which requires work to be completed and submitted the following rules apply.

1. The teacher will set a due date for the submission of any such work. (An attempt will be made to spread work throughout each semester, but no guarantee can be given that the due dates in different units will not occur at the same time).
2. An extension may be granted to students provided the reason is valid and the request made to the teacher prior to the due date.

Unforeseen Circumstances

Authorisation is given to the Principal in consultation with the Assistant Principal and the Sub-School Coordinator to alter or determine policy.

Attendance

All students are required to achieve 80% attendance over the year. Failure to meet this may lead to your child receiving an unsatisfactory level of achievement according to the Victorian Curriculum and/or VCE guidelines.

Payment of Fees

All subjects requiring special additional fees are marked with an asterisk * in the table of contents, and details are provided in the course outlines in this book. The fees are to be paid by the first class of that subject in 2020.

A number of Learning Areas in the school charge fees for model construction. These models are chosen by students and are costed above the money normally allowed for standard classroom models. Fees also apply for Food Technology where students produce food for their consumption.

For other subjects e.g. Woodwork and Art additional fees are based on the selected model.

To clarify the situation parents will be asked to sign a form at the beginning of the class indicating that they are aware of their son/daughter's choice and the associated cost before the model is constructed. Payment for the model should accompany the return of that form.

Health and Safety

The safety of students is of prime concern to all teachers and instruction in the safe and correct use of tools and equipment is stressed at the beginning of units of work and each time a new tool or piece of equipment is to be used.

The safety of students will also be enforced by stricter disciplinary procedures in classes where tools and equipment are used. If a student acts in a dangerous manner when using tools then the student will be removed from class and sent to a coordinator or assistant principal. If a student continues to jeopardise his or her safety or the safety of others then they may be excluded from that class.

Exchange with Sister-School in Germany

Mirboo North Secondary College has been offering a sister-school based cultural exchange with Germany to Year 10 students of German since 2003.

Our sister school is called the Alfred-Amman Gymnasium. It is situated in Bönningheim in the South-West of Germany. Bönningheim is 30km southwest of Stuttgart, about one hour from the French border, one and a half hours from Heidelberg and approximately 4 hours from Munich and the Alps.

The application process starts when the students are in Year 9, with the students from the AAG in Germany visiting for 28 days in March/April and our students reciprocating the visit in September when they are in year 10.

There are some costs to families associated with the exchange program which include return airfares, airport taxes, travel insurance and pocket money.

Year 10 Course Selection

This is an example of a year 10 student timetable. Please note that this is just an example and students can do history in either the first or the second semester depending on which elective units students have prioritised.

| | | | | | | |
|------------|-------------------------------------|-----------------------------------|------------------------------------------------------------------|---------|---------------------------------------------|---------------------------------------------|
| Semester 1 | ENGLISH <i>(ability grouped)</i> | MATHS <i>(ability grouped)</i> | VCE Unit 1 <i>(Student Choice)</i> Or Work Ready | SCIENCE | HISTORY/ CAREERS | ELECTIVE UNIT <i>(Student Choice)</i> |
| Semester 2 | ENGLISH <i>(ability grouped)</i> | MATHS <i>(ability grouped)</i> | VCE Unit 2 <i>(Student Choice)</i> Or Work Ready | SCIENCE | ELECTIVE UNIT <i>(Student Choice)</i> | ELECTIVE UNIT <i>(Student Choice)</i> |

VCE Units

Many year 10 students are capable of successfully completing one VCE Unit. There are many advantages for students who start their VCE early:

- A wider range of subjects completed
- A chance to complete more Unit 3 & 4 sequences to improve chances for tertiary selection
- To help the school maintain a broader range of VCE Units
- To accelerate and motivate capable students

Students will choose their VCE subject based on personal interests and ability. Suitable VCE selections could include:

VCE Biology - Units 1 & 2

VCE Business Management - Units 1 & 2

VCE Design & Technology (Wood) - Units 1 & 2 *

VCE Food Technology - Units 1 & 2 *

VCE General Maths - Units 1 & 2

VCE History - Units 1 & 2

VCE Health & Human Development - Units 1 & 2

VCE Legal Studies – Units 1 & 2

VCE Media Studies – Units 1 & 2 *

VCE Music – Units 1 & 2

VCE Physical Education - Units 1 & 2

VCE Psychology - Units 1 & 2

VCE Outdoor Education - Units 1 & 2 *

VCE Studio Art – Units 1 & 2 *

VCE Visual Communication & Design - Units 1 & 2 *

* Subject Fees apply please refer to the Senior School handbook for further information.

Work Ready

Students can choose to take part in this subject which is still categorised as an accelerated learning class (Units 1 & 2 of Industry and Enterprise) thus students will not be disadvantaged if they choose to complete a full VCE in years 11 & 12. This subject focuses on the world of work and has a compulsory work placement component in Terms 2 & 3. Students are expected to source their own work placement after consultation with staff and family. Please note that students in Work Ready must complete Careers in semester 1.

Year 10 Core Units

Year 10 English

As in previous years students are ability grouped in English according to the individual's academic needs. Current English teachers are responsible for these groupings. Classes are structured in such a way that students will not be disadvantaged when undertaking VCE English and act as a platform for the future studies.

Year 10 Mathematics

At year 10 students will continue to consolidate and extend their skills and understanding of mathematics, as well as prepare for the future study of mathematics at VCE and beyond. Courses are designed to provide students with the necessary skills and knowledge to continue on their chosen pathway (Please refer to flowchart).

CORE MATHEMATICS

This year 10 unit prepares students for the study of maths at VCE. They incorporate the application of scientific and CAS calculators and computer software to a wide variety of computations. The **Areas of study** will enhance those covered in year 9 Core Mathematics in line with the Essential Learning Standards to level 6. **This course leads directly to the study of VCE General Maths Units 1 & 2 and VCE Further Maths 3 & 4.**

Students choosing to do only Year 10 Core mathematics will not have the necessary skills to attempt Mathematical Methods at year 11.

INTRODUCTION TO MATHS METHODS

This year 10 unit is only available for students who successfully complete the year 9 accelerated mathematics course. This unit contains additional algebra, graph and number work to broaden students' knowledge and understanding and prepare them for the study of Mathematical Methods at year 11 (Please refer to flowchart). The unit incorporates further applications of scientific calculators, applications of graphics calculators and computer software to graphing functions. **Areas of study** for this subject will include **Algebra** - factorization and expansion, solution of linear and quadratic equations and inequations, sketching and recognizing linear, quadratic, circular and hyperbolic functions; **Number** - index laws, logarithm laws, sets. Students, who successfully complete Introduction to Maths Methods, have access to the study of VCE General Maths 1 & 2 and Mathematical Methods 1 & 2 at year 11, followed by Mathematical Methods 3 & 4 and Specialist Maths 3 & 4 at year 12.

CORE PLUS MATHEMATICS

The core plus mathematics Unit is a similar course to core mathematics but with a greater emphasis on algebra skills. Students who demonstrate a sound knowledge of the concepts covered in this unit have access to the study of all VCE mathematics Units.

**** Only students recommended by their teacher will be able to pursue this course.**

Acceleration and Extension in Maths

Students are encouraged to study maths at the highest level possible and throughout the Middle School and Senior School programs there are opportunities for acceleration in Maths. Please note the current Year 8 Maths teachers will give their recommendations for selection into the Year 9 Maths program based on work ethic and ability.

Mathematics Flowchart

| Year 9 | Year 10 | Year 11 | Year 12 |
|-------------------------|----------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------|
| Accelerated Mathematics | Introduction to Mathematical Methods | VCE Mathematical Methods 1 & 2 | VCE Mathematical Methods 3 & 4 |
| | | and VCE General Mathematics 1 & 2 | VCE Mathematical Methods 3 & 4 and VCE Further Mathematics 3 & 4 |
| | Introduction to Mathematical Methods and VCE General Mathematics 1 & 2 | VCE Mathematical Methods 1 & 2 | VCE Mathematical Methods 3 & 4 |
| | | and VCE Further Mathematics 3 & 4 | VCE Mathematical Methods 3 & 4 and VCE Specialist Mathematics |
| Core Mathematics | Core Plus Mathematics | VCE Mathematical Methods 1 & 2 | VCE Further Mathematics 3 & 4 |
| | | and VCE General Mathematics 1 & 2 | VCE Mathematical Methods 3 & 4 |
| | | | VCE Mathematical Methods 3 & 4 and VCE Further Mathematics 3 & 4 |
| | | | VCE Mathematical Methods 3 & 4 and VCE Specialist Mathematics |
| | Core Mathematics | VCE General Mathematics 1 & 2 | VCE Further Mathematics 3 & 4 |

Science (*Compulsory- Semester 1 & 2*)

The science curriculum has been developed to give students a solid background for further studies at VCE whilst providing them with the science literacy needed to operate in the modern world. The themes over the year will include: forensic science, material science, environmental science, body systems, robotics and study skills. Students will be using the Science Alive textbook, which will support the Units and enable regular homework to be set and completed.

History (*Compulsory-One Unit to be completed in either semester*)

Students must complete one semester of Australian History during the course of the year. This unit has a focus on Federation, Gallipoli, World War 1, the Great Depression and World War 2, with a specific emphasis on the importance of Kokoda.

Careers (*Compulsory-One Unit to be completed in either semester*)

Student must complete one semester of Careers during the course of the year. This unit has a focus on further education and training options, pathways and the skills required for seeking employment. All students will undertake a week of work experience at the beginning of Term 4.

Elective Units

Arts

DIGITAL PHOTOGRAPHY

** A fee of \$50 dollars as part of a 'Photography Bond' is required for this subject. A 'permission to borrow contract' will need to be signed by both student and parent for the use of the equipment outside of school hours.*

This unit is designed to give students a thorough grounding in the art and capabilities of DSLR (Digital SLR) photography. Students will be shown how to control a camera in manual mode, shoot for different settings and conditions and set up lighting for studio photography i.e. Portraiture. The unit is comprised of both practical and theoretical tasks aimed to greatly extend the student's knowledge of photography.

Tools & Equipment Used: DSLR cameras (the school has some Nikon D3200 cameras – however, if a student has access to their own DSLR, they may wish to use this instead), SD cards, USB sticks, glue sticks, presentation folios (black paper)

Introduction to VCE Art

** A fee of \$60 is required by students selecting this subject.*

This unit is designed to extend a student's art skills through the studio practices of painting, drawing and sculpture. This unit will introduce students to the basics and works will be developed from both direct and indirect sources.

To complement appreciation of the mediums, students will be required to maintain a visual diary of designs and technical swatches, as well as complete written responses and worksheets.

Languages

GERMAN - Semester 1

** An annual fee of \$35 is required by students selecting this subject.*

This unit is designed to develop all the language skills of listening, speaking, reading and writing to a higher and more sustained level competence. Students will be involved in a number of performance activities and will study a number of cultural topics. This unit is recommended to follow year 9 German. Students have the opportunity to host a German exchange student around Easter time.

GERMAN - Semester 2

This unit will consolidate the basic language skills of listening, speaking, reading and writing. Students' cultural knowledge will be extended, and they will be involved in communicative tasks for each topic. More advanced language structures will be introduced.

Students have the opportunity to travel to Germany for 28 days as part of our school exchange.

Physical Education

ACTIVE SPORTS

This elective is for the student who is energetic and loves to run. The practical component may include a range of indoor and outdoor sports such as netball, basketball, volleyball, handball and various football codes. The theoretical component will involve how to modify existing sports to different populations, technology in sport and body systems involved in movement.

CHALLENGE AND ADVENTURE

** Due to the extensive practical outdoor education component of this subject there will be a cost of \$400 which will cover all practical excursions, class activities and camps for the unit.*

This unit is designed to challenge students to further develop leadership, group skills, teamwork and to build a working community whilst in a classroom and outdoor environment. This would be achieved through student's participation in adventure activities, challenge activities, problem solving tasks, initiative activities and sports. It also aims to provide an opportunity for students to develop a greater appreciation of the outdoors, through study and experience in outdoor education.

There will be a significant practical component within this unit which will be supported by the theoretical component. It is anticipated that students will have a minimum of 5 days of extended activity, including at least 1 overnight camp, at least 1-day trip plus class time activities which may require participation during recess and/or lunchtime on a regular basis.

Outdoor Education Activities

Activities will be selected from;

Canoeing

Climbing Wall/Rock Climbing

Mountain Biking

Liloing

Orienteering

Bushwalking

LEISURE SPORTS

** A Unit cost of \$40 will apply to cover transport and venue entry.*

This unit has been designed to retain a greater cross-section of students in physical activity for life by offering sports that don't necessarily require maximum physical exertion but emphasise hand/eye coordination, accuracy, fine motor skills, etc. The more active sports will certainly be encouraged though not undertaken in this Unit.

The theoretical component will focus on sports knowledge and factors affecting participation.

The practical component will include such activities as bocce, archery, darts, croquet, lawn bowls, golf, and tenpin bowling. Skills testing will be ongoing and continuous in this unit.

Technology

The Art/Technology area has special concerns in relation to the safe use of all tools and cutting implements. To give parents and students a clearer understanding of the types of equipment used, an additional section has been included (Equipment/Tools used) in the unit descriptions.

FOOD TODAY

** A fee of \$90 is required by students selecting this subject.*

This unit will focus on the qualities and skills required by a chef, providing students with relevant knowledge and practical experience. Students will be given the opportunity to undertake the responsibilities of a chef, including menu planning, food ordering, various food preparation skills, food presentation and service. The processes of design, production, analysis and evaluation are developed through the unit.

INTRODUCTION TO CABINET MAKING

** A materials fee of \$90 is required.*

In this unit emphasis is placed on the design and construction of a project which will enable students to learn the basic woodworking and cabinet making skills. The students will be involved in the construction of a C.D. rack, which will give students the opportunity to learn a variety of construction and joining techniques that are used in making doors or drawers.

Course:

Work will be practical in nature and allow for a variety of abilities and experience in the students.

Tools & Equipment Used:

Electric drill, jigsaw, drill press, disc sander, biscuit joiner and assorted hand tools.

VISUAL COMMUNICATION AND DESIGN

** A materials fee of \$60 is required.*

This unit focuses on the Visual Communication Model. Students apply graphic systems (2D and 3D), graphic elements (point, line, shape, tone, texture, letterform, colour), and graphic devices (symbols, maps, charts, technical drawings and illustrations). Students are set drawing exercises that require the use of specific methods and techniques to solve problems. They investigate the communication process and apply it to the development of graphic/visual presentations.

Class projects include: Design exercises using a variety of media – paper, watercolour, pencils, and markers.

APPENDIX 1: PRELIMINARY SUBJECT SELECTION FORM (Year 10)

THIS FORM IS TO BE USED BY STUDENTS IN YEAR 10 IN 2020

Name: _____

Occupational interests/possible future career path:

Year 10 Elective Choice (in order of preference)

| | |
|---------------------------------|--|
| 1. | |
| 2. | |
| 3. | |
| <i>Alternative preference 1</i> | |
| <i>Alternative preference 2</i> | |
| <i>Alternative preference 3</i> | |

NB *If you are continuing on with German then you must write German next to preference 1 and 2.*

Year 10 Accelerated Learning

Whilst we encourage all students to take up a VCE study we understand that some individuals may not wish to pursue an academic program, if this is the case individuals should seriously consider the 'Work Ready' course that has a work placement week in **Terms 2 and 3**.

Circle one of the options below

Work Ready

VCE *(in order of preference)*

| | |
|--------------------------|--|
| 1. | |
| Alternative preference 1 | |
| Alternative preference 2 | |

Please note that we endeavour to give students as many of their choices as we can, their VCE study will take preference over their year 10 electives. These decisions will not be determined until early Term 4.

Parent/ Guardian signature: _____

Student signature: _____

Please return to Ms Bruzzese by Friday 23rd August 2019