

Middle School Course Selection Handbook 2020



RINGWOOD SECONDARY COLLEGE

Middle School Course Selection Handbook

2020



MIDDLE SCHOOL INFORMATION

College Principal:	Mr Michael Phillips
Assistant Principals:	Mrs Eleni Stathatos Mr James Barut Mrs Maria Allison
Middle School Leader:	Mr Matthew Tucker
Middle School House Coordinators:	Ms Beatrice Dauguet (Freeman) Mr Peter Vlahos (Jackman) Mrs Jacqui Godfrey (Mabo) Miss Krissi Friedli (Frazer)
InterGREAT Program Coordinator:	Ms Virginia Watson
ACE Program Coordinator:	Ms Annette Niven
Careers Convenor:	Ms Helen Doherty
Student Wellbeing Coordinator:	Ms Sharlene Hetherington
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MIDDLE SCHOOL PROFILE

The Middle School Program at Ringwood Secondary College provides a rich and varied curriculum, which aims to engage students’ interests, broaden their horizons and equip them with the knowledge and skills necessary to affect a smooth transition into the College’s VCE and VCAL programs.

Careers education is emphasised in the Middle School and students participate in a Work Experience Program during Year 10.

Subject teachers, House Coordinators and the Middle School Leader work together closely to ensure that the progress of each student is monitored and that individually tailored support structures can be set in place for students needing extra help. Students in Middle School are encouraged to participate widely in all College programs. Involvement in a range of areas - sport, music, production, and student leadership help to maintain a solid basis for healthy learning and a community spirit.

Year 9 students participate in the Phillip Island Adventure camp, where they challenge themselves through various activities, build strong relationships with their peers, while also developing leadership skills and qualities. Bike Tour is also offered to interested students and takes place in December. Year 10 students have the unique opportunity to visit and experience all that Central Australia has to offer. Students have the chance to visit many sacred sites, view a vast array of landscapes and take in experiences from places such as Uluru, Kata Tjuta, Kings Canyon, Katherine Gorge and more. This Central Australia trip occurs in June.

Students are challenged to enter the Mathematics, English and Science Competitions, Public Speaking and Debating as well as a range of Student Leadership activities. A special feature of this College is the continuing International program which provides for student visits to Thailand and France as well as a World Performing Arts Tour every three years, which Middle School students have the opportunity to explore and be involved in.

It may be of interest for students who pursue a language and a higher level of mathematics in the VCE study program to be recognized with the VCE Baccalaureate. The VCE (Baccalaureate) is an additional form of recognition for those students who choose to undertake the demands of studying both a higher level mathematics and a language in their VCE program of study.

To be eligible to receive the VCE (Baccalaureate), the student must satisfactorily complete their VCE and receive a study score for each prescribed study component.

The VCE program of study must include:

- a Unit 3–4 sequence in English or Literature or English Language with a study score of 30 or above; or a Unit 3–4 sequence in EAL with a study score of 33 or above
- a Unit 3–4 sequence in either Mathematical Methods or Specialist Mathematics
- a Unit 3–4 sequence in a VCE Language
- at least two other Unit 3–4 sequences.

Upon satisfactory completion of the VCE (Baccalaureate) program of study, the student will receive an appellation on their VCE certificate.

MIDDLE SCHOOL CURRICULUM

Students in Years 9 and 10 at Ringwood Secondary College participate in a program, which includes both core and elective studies. This curriculum program has been designed to meet the diverse educational needs of the students and to provide them with stimulating and valuable learning experiences. At the Year 9 level, students take part in the interGREAT program.

In Years 9 and 10 all students will be required to undertake a combination of studies from both the core and elective studies offered. Core studies must be studied by all students and elective studies are where students select the studies they wish to complete. This achieves a balance between the need for a broad, general education and a more specific preparation for particular VCE studies. Students will be assessed against the Victorian Curriculum at two major reporting periods, while also receiving continual ongoing reporting and feedback throughout the year.

CITY EXPERIENCE

As part of the interGREAT program, students in Year 9 also take part in City Experience. This involves a week of learning and discovery in the city designed to build student confidence, team skills, cooperative learning, problem solving skills and a range of life skills. Students will visit a range of venues, including the Museum, MCG, the Shrine, Old Melbourne Gaol, Eureka Tower & Docklands and complete a range of group activities. Upon their return to school, students continue undertaking their 'Discover Melbourne' task; creating an advertisement for a major landmark or attraction within Melbourne.

ACE PROGRAM: ACHIEVEMENT, COMMITMENT, EXCELLENCE

The College continues the ACE Program for high achieving students in Year 9, and in 2019, will also extend components of the ACE Program into Year 10. The aim of the program is to engage and challenge high ability students to reach their full intellectual, social and emotional potential in an enriched educational program. It will be offered to current students in the ACE Program, who demonstrate academic skills above those of their peer group, are self-directed and strongly motivated to achieve academically.

Students in the Year 9 ACE class will undertake an enriched and rigorous curriculum for the core subjects of English, Humanities (Geography & History), Mathematics, and Science. As part of the program, students continue their study of language in Year 9. For other subjects, students will participate in mainstream, mixed-ability classes.

Students in the Year 10 ACE Program will have the opportunity to study components of English Language and Literature as part of their Year 10 English study, and will be encouraged to select other subjects that will challenge them. Students who completed Extension Maths in Year 9 will be able to study Advanced General Maths in Year 10, which is a VCE subject. Students who completed ACE Maths in Year 9 will have the opportunity to complete an enhanced Year 10 Maths.

Students in the Year 10 ACE Program will have the opportunity to undertake two Year 11 subjects as a Year 10 student.

Acceleration

Acceleration of individual students takes place across learning areas. Students may be accelerated within the existing structure or given the opportunity to undertake a variety of extension programs, which focus on areas including problem solving, collaborative learning and use of ICT.

Enrichment and Enhancement Activities

The responsibility of providing enrichment and enhancement lies foremost with the individual classroom teachers. In addition, the College runs a variety of activities on a regular basis to provide students with the opportunity to develop their knowledge and skills in a different setting. There is also an extensive range of extra-curricular activities such as Leadership, Performing Arts, Sports, Camps and Excursions, which are detailed elsewhere in the handbook.

Annette Niven

ACE Program Coordinator

LAPTOP PROGRAM

All Year 9, 10 & 11 students participate in the 1:1 laptop program. Students entering Year 9 will commence using a laptop in all of their core subjects. The laptop program was introduced to enhance student learning and assist them to develop as autonomous and independent learners who are confident and creative. The laptop program supports a wide range of learning and teaching practices and enables students to research more effectively, use relevant software to support learning and use a range of media when completing tasks.

Currently, the laptops are supplied under a 3-year lease by Apple, who provides high end computers which will cater for student learning needs for the duration of the lease (3 years). The College determines the software to be used and images all of the computers prior to distribution. Subscription to the program can be undertaken through one of the following two options.

1. Tier 1 support provides students with 24/7 usage.
2. Tier 2 support provides students with day time use of the laptop whilst at college. Students collect their laptop prior to their first class and return it at the end of the school day.

More information can be found on the College website:

<http://www.ringwoodsc.vic.edu.au/student-laptop-program>

STRUCTURE OF THE MIDDLE SCHOOL PROGRAM

Below is the typical structure of the Year ACE 9 Program:

YEAR 9	CORE PROGRAM						ELECTIVE PROGRAM		
Semester 1	English (7 PPF)	Maths (7 PPF)	Geography (5 PPF)	Science (5 PPF)	PE (4 PPF)	interGREAT (7 PPF)	Health (5 PPF)	Semester Elective (5 PPF)	Semester Elective (5 PPF)
Semester 2	English (7 PPF)	Maths (7 PPF)	History (5 PPF)	Science (5 PPF)	PE (4 PPF)	interGREAT (7 PPF)	Semester Elective (5 PPF)	Semester Elective (5 PPF)	Semester Elective (5 PPF)

Below is the typical structure of the Year 10 Program:

YEAR 10	CORE PROGRAM				ELECTIVE PROGRAM		
Semester 1	English (8 PPF)	Maths (8 PPF)	Science (8 PPF)	Bounce (2 PPF)	Health (8 PPF)	Semester Elective (8 PPF)	Semester Elective (8 PPF)
Semester 2	English (8 PPF)	Maths (8 PPF)	History (8 PPF)	Bounce (2 PPF)	Semester Elective (8 PPF)	Semester Elective (8 PPF)	Semester Elective (8 PPF)

* PPF - Periods Per Fortnight

YEAR 9 PROGRAM OVERVIEW

LEARNING AREA	CORE PROGRAM	ELECTIVES
English	English English as Another Language (EAL)	
Mathematics	Mathematics Numeracy Support	
Science	Science	
Humanities	Geography History	
Health & Physical Education	Health Physical Education	
The Arts		Art Dance Drama Media Music Musical Theatre Photography Visual Communication Design
Languages		French – 2 semesters Indonesian – 2 semesters
Technology		Computer Aided Drawing (CAD) Food & Technology Information Technology Product Design & Technology: Textiles Product Design & Technology: Wood Robotics Systems Engineering
Cross Curriculum	InterGREAT	Duke of Edinburgh Program – 2 semesters

YEAR 10 PROGRAM OVERVIEW

LEARNING AREA	CORE PROGRAM	ELECTIVES	VCE UNITS 1 & 2
English	English English as Another Language (EAL)	Creative Writing Literature	
Mathematics	Advanced General Mathematics Mathematics Methods General Mathematics General Fundamentals		
Science	Students must select one Science unit <i>**Students intending to undertake a Science study in Year 11 are recommended to undertake at least two Science studies.**</i>	Environmental Chemistry Forensic Science Projectile Science Science Investigations Psychology (elective only)	Biology 1&2 Environment Science 1&2 Psychology 1&2
Humanities	History (20 th Century Australian)	Business and Economics Dollars and Sense Geography Heroes Through History Philosophy	Business Management 1&2 Geography 1&2 Legal Studies 1&2
Health & Physical Education	Health	Active for Life Physical Education	Health & Human Development 1&2 Physical Education 1&2
The Arts		Art Dance Drama Media Music Visual Communication Design	Media 1&2 Studio Arts 1&2 Visual Communication Design 1&2
Languages		French – 2 semesters Indonesian – 2 semesters	Chinese 1&2 (First Language)
Technology		Auto Small Engine Technology Bakery Delights IT Programming IT Web Technologies Product Design & Technology: Textiles Product Design & Technology: Wood Restaurant Delights Systems Engineering	Food Studies 1&2 Product Design & Technology Textiles 1&2 Product Design & Technology Wood 1&2

VCE UNITS AS A YEAR 10 STUDENT

Year 10 students will be provided with the opportunity to complete a VCE Unit 1 & 2 study as part of their program. In order to be eligible for this, students should have achieved an Academic Award (from Year 9 Semester 1), and/or be achieving high academic results across all of their studies.

Students completing a Unit 1 & 2 in Year 10 would normally complete the Unit 3 & 4 study in Year 11, thus providing them with both a sixth study to contribute to their Australian Tertiary Admission Rank (ATAR) and gaining valuable experience in doing SACs. Students must receive an overall grade of 'B' or higher to be guaranteed the opportunity to complete Units 3 & 4 in the following year. At Ringwood Secondary College, students study six subjects in Year 11 and five in Year 12. This program is not for students seeking to spread their VCE over three years due to academic difficulties or to only undertake four subjects in Year 12.

Students who are interested in undertaking a Unit 1 & 2 study, should submit a VCE Expression of Interest Sheet and indicate this on their Student Course Selection Sheet. However, selection of this option by students does not guarantee entry into the study. All interested students will be reviewed and informed by the Middle School Leader as to their suitability for the program.

The final decision as to whether a student has the opportunity to participate in this program will be made by the Middle School Leader and Assistant Principal.

VCE Unit 1 & 2 studies offered to Year 10 students.

Science	Technology	The Arts
VCE Biology Unit 1 & 2	Food Studies Unit 1 & 2	VCE Media Unit 1 & 2
VCE Psychology Unit 1 & 2	VCE Product Design & Technology Textiles Unit 1 & 2	VCE Studio Art Unit 1 & 2
VCE Environmental Science Unit 1 & 2	VCE Product Design & Technology Wood Unit 1 & 2	VCE Visual Communication Design Unit 1 & 2
Humanities	Health & Physical Education	
VCE Business Management Unit 1 & 2	VCE Health & Human Development Unit 1 & 2	
VCE Geography Unit 1 & 2	VCE Physical Education Unit 1 & 2	
VCE Legal Studies Unit 1 & 2		

VET (VOCATIONAL EDUCATION AND TRAINING)

What is VET?

VET Programs are designed to broaden opportunities for students in vocationally orientated programs, and to complement the traditional VCE. VET is a compulsory strand in VCAL.

For students, a VET course in Year 10 may be an option. These programs enable students to undertake preliminary vocational training as part of their overall school program. If a student elects to complete a VET course, it will take the place of one elective subject each semester.

Most courses run on Wednesdays commencing at 1.00 pm, and concluding at 5.30 pm although some VET courses require a full day training. Details will be confirmed at the end of 2019 or early 2020. Application forms for all courses are available from the Careers Office.

VET Courses offered at Ringwood Secondary College and/or Ringwood Training (RT)

Course Name	Eastland Cluster Provider
Certificate II in Automotive Technology	Ringwood Training (RT)
Certificate II in Dance	Ringwood Secondary College
Certificate II in Engineering	Ringwood Training (RT)

*** Please note that students are not limited to these courses. Many other VET courses are offered at different schools and institutions. All VET courses incur an additional cost.**

COURSE SELECTION PROCESS

This handbook provides students with a concise description of all subjects, both core and elective, that are offered as part of the Ringwood Secondary College Middle School Program. This information should be read and carefully considered before a course of study is selected. When students are planning subjects for selection, they should complete the relevant Student Course Selection Sheet. Please also see the timeline in this document.

Guidelines for Course Selection

In Year 9, students will study:

- English, Mathematics, Science, Physical Education and interGREAT (year length studies)
- History, Geography and Health (semester length studies)
- Students choose five electives (semester length studies)

In Year 10, students will study:

- English and Mathematics (year length studies)
- History, Science and Health (each is a semester length study). With Science, students must select at least one Science subject from a range of Science subjects.
- Students choose a further five subjects (semester length studies)

COURSE SELECTION PROCESS

Elective Subject Advice

As students progress through Secondary College they have increasing choice within their course. Making decisions about which electives to choose is not a difficult task and few decisions are irreversible. Students should use this opportunity to carefully consider all options and develop their decision-making skills. When considering each elective ask yourself:

- How interested in this subject am I?
- Did I like this subject when I studied it previously?
- What ability do I have in this subject?
- What skills will I develop by studying this subject?
- How useful will this subject be to me in the future? (Consider personally as well as vocationally)
- Am I closing options by not studying this subject?

Students who enjoy Art and are considering Art as a possible career are advised to continue this study. Entry into Art courses at Tertiary level is extremely competitive and relies on the presentation of a folio of work. The greater experience, the more likely the student is of having highly developed skills.

A foreign language, once dropped is not easily picked up at secondary college but a new language can be started at University or at Saturday morning or evening classes.

Finally, students should check to see that they have chosen a broad range of subjects and not narrowed options. It is quite normal for students not to have set career goals when in Year 8 or 9, so it is important to keep options open. At Ringwood Secondary College we have helped you to do this by ensuring all students study the core subjects listed earlier. Please note that some elective subjects may not run due to insufficient interest.

Students needing extra help should see the Careers Coordinator any lunchtime.

COURSE SELECTION PROCESS

1. Read the Middle School Handbook and find out information regarding both the core studies and the elective programs offered.
2. Attend the relevant Middle School Information Night which will be held in the RT Presentation Space:
 Year 10 in 2020 - Tuesday 30th July at 7:00pm
 Year 9 in 2020 - Tuesday 6th August at 7:00pm
 At this general information session, there will be information about the Middle School program, as well as requirements for accessing a Unit 1 and 2 VCE study in Year 10. If you are applying to complete a Unit 1 and 2 study in Year 10, the Expression of Interest form must be submitted to the Middle School Office by Friday 9th August. Careers information will also be addressed. There will be an opportunity for questions.
3. Consider the electives on offer. Read the subject information carefully.
4. Students entering Year 9 and 10 next year should plan their elective program on the planning sheets. You should choose electives in accordance with the guidelines outlined in this document.
 - Students entering Year 9 need to make three additional elective choices.
 - Students entering Year 10 need to make four additional choices in case any of the chosen electives are not available.
5. Subject selections for Year 9 (2020) should be made on-line via the link on the Ringwood Secondary College Portal.

PROCEDURE	Year 10 - 2020	Year 9 - 2020
Attend information session (RT Presentation Space)	30th July 7pm – 8pm	6th August 7pm – 8pm
Complete the relevant Student Selection Sheets	Before 20th August	
Course Counselling with staff (entering of subject selections)	Tuesday 20th August	
Student on-line selections completed.		By Wednesday 21st Aug.
House Coordinators provide printed confirmation to students.	November 2019	November 2019

6. If you are not returning to RSC in 2020, please forward a note signed by a parent/guardian providing exit details to the Middle School Leader.

YEAR 9 PROGRAM

The following Year 9 program information will outline the core studies and elective options available to Year 9 students in 2019.



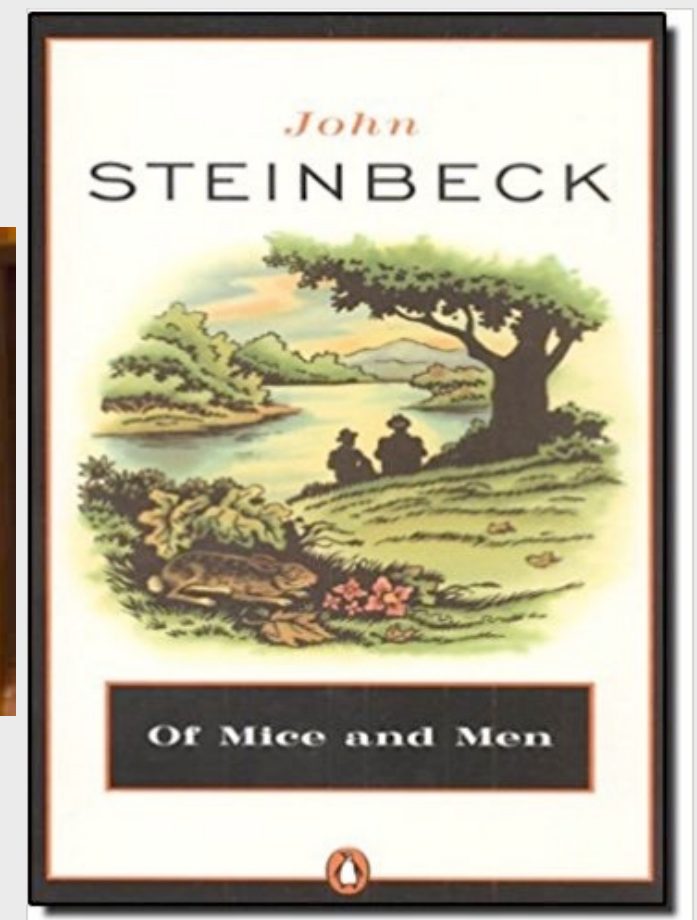
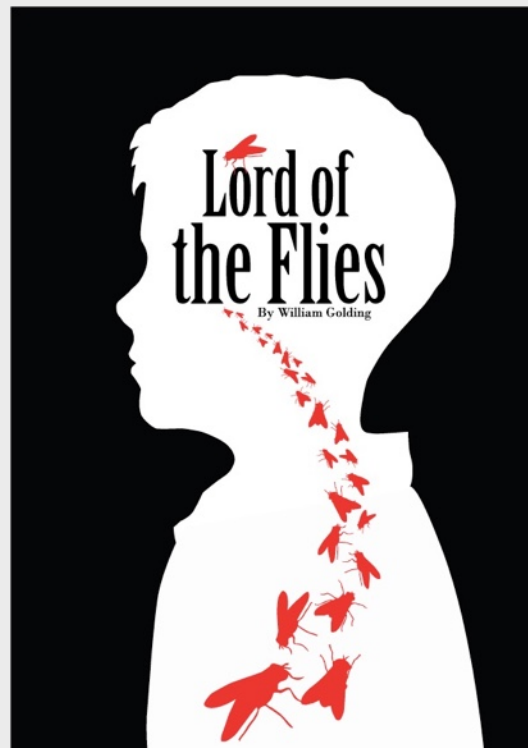
Course Outline & Assessment

English is a core subject, incorporating written expression, reading fiction and non-fiction texts, and listening and speaking. Students develop their skills in writing formal analytical essays, creative responses and persuasive texts. They read and analyse literary and film texts, and persuasive texts, as well as engaging in reading novels for pleasure. Listening and speaking skills are developed through informal class discussions, and both formal and dramatic oral presentations. The texts studied in this course include: 'Of Mice and Men' by John Steinbeck, 'Lord of the Flies' by William Golding and the film 'Mean Girls' directed by Mark Waters. This course is designed to build upon skills learnt in Years 7 and 8, and prepares students for English at the senior level.

Assessment will focus on major areas: Reading and Responding, craft of writing and oral presentations. Examples of such; 'ad analysis', oral presentation, persuasive essays, creative responses and analytical text response essays.

Topics Covered:

- Persuasive Writing
- Analytical Writing
- Creative Writing
- Expository Writing
- Persuasive Oral Presentation



MATHEMATICS

Pathway Subject(s): General Fundamentals, General Mathematics,
Mathematical Methods & Advanced General Mathematics
Costs: \$0

Course Outline & Assessment

The Mathematics program aims to develop an appreciation of Mathematical processes and their applications. It seeks to enable students to understand the connections between theoretical learning in this knowledge area and the application of that learning in the physical world, and to utilise problem-solving and investigation skills.

The assessment for this course consists of:

- Topic tests (50% of overall grade)
- Assignments (20% of overall grade)
- End of semester exams (30% of overall grade)

Topics Covered

Measurement

Including how to find area, volume and surface area.

Consumer Arithmetic

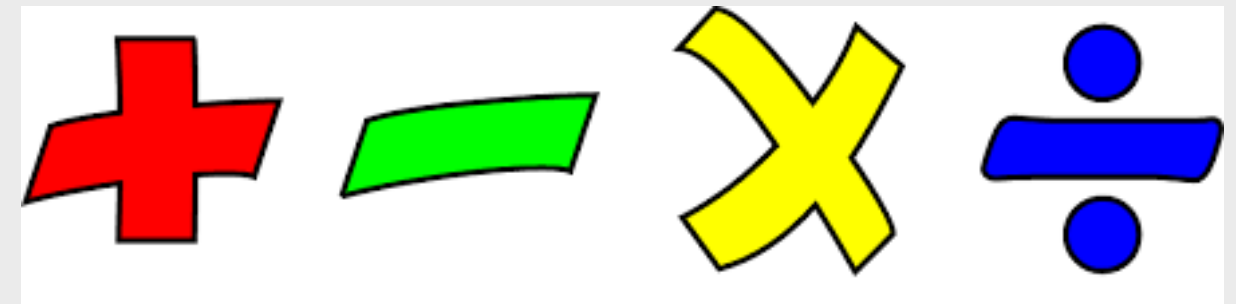
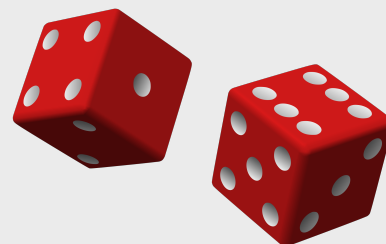
Including simple interest.

Algebra

Including using letters to represent numbers, substituting values, and using index laws to simplify expressions.

Probability

Including determining outcomes for two-step chance problems using tree diagrams.



Statistics

Including constructing stem and leaf plots and histograms, and comparing data displays.

Straight Line graphs

Including linear graphs using technology, and their application to real-life problems.

Geometry

Including solving problems using ratio and scale factors.

Equations

Including solving multi-step equations.

Trigonometry

Including the investigation and application of Pythagoras' Theorem and trigonometric ratios in solving problems in right-angled triangles.

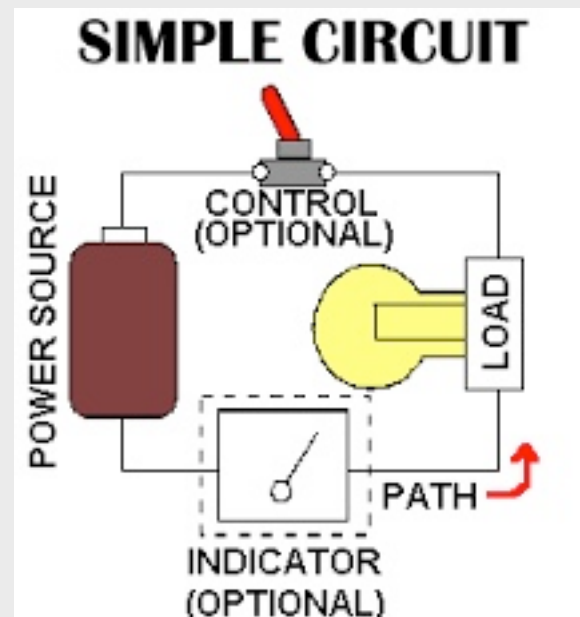
Course Outline & Assessment

Science in Year 9 is designed to build on students research and practical skills established in previous years. The course makes use of the 1:1 laptop programme and students have the opportunity to analyse data electronically, introduce multimedia into their project work and engage in high level individual web based research. The subject is an activity-based curriculum in the areas of Biology, Chemistry, Physics, Environmental Science and Astronomy.

Students will be assessed by topic tests, assignments and homework and practical work including laboratory based tasks that build on theory and develop understanding.

Topics Covered

- Chemistry (including structure of the atom, the periodic table and radioactivity)
- The Human Body (including the eye, hearing and the nervous system)
- Electricity (basic circuits)
- Ecosystems.



GEOGRAPHY

Course Outline & Assessment

In Year 9 Geography students will seek to examine and understand the natural and human worlds and how they impact people's lives. The topics we specifically focus upon include the different biomes of the world as well as the positive and negative impacts of globalisation and tourism. These topics allow students to develop their skills as they ask questions about the world they live in. Students will learn to gather, interpret and represent different types of data and come to understand some complex issues that affect our world.

Assessment will focus on the major areas:

Biomes and Food Security report, Chocolate trade data analysis task & Impact of Tourism video

Topics Covered

- Biomes
- International Trade
- Tourism



HISTORY

Pathway Subject(s): History, Heroes
Through History & Philosophy
Costs: \$0

Course Outline & Assessment

In Year 9 History we seek to understand how Australia was impacted by, and has changed since, European settlement. Specific units focus on the Industrial Revolution, the gold fields and World War One. Students will build their investigative skills as they develop lines of inquiry and seek to understand different points of view and ways to understand the past.

Assessment will focus on the major areas:

Industrial Revolution Extended Response, The Gold Fields Document Analysis & WW1 Soldier Digital History Task

Topics Covered

- The Industrial Revolution
- The Gold Rush
- World War 1



HEALTH

Course Outline & Assessment

Health Education aims to provide students with an understanding of how they think, feel and act. The course explores critical thinking, values clarification and decision-making.

Students are assessed upon their ability to contribute positively to classroom discussions in a thoughtful manner, their research and use of ICT skills, media files, tests, visual displays and assignments.

Topics Covered

- Components of Health
- Values
- Communication
- Risk Taking
- Relationships
- Reproductive Systems -
Includes the documentary:
BBC The Human Body Series
'An everyday Miracle'.
- Contraception
- STI's
- Introduction to drugs & alcohol



Assessment

Three areas of assessment:

Assignments contributing to 80% of the overall assessment

- My health review
- Youth health promotion campaign
- Sexual health board game



Test contributing 20% to the overall assessment

Class work contributes to an overall S/N

PHYSICAL EDUCATION

Course Outline & Assessment

The aim of the course is to allow all students the opportunity to participate in a range of activities, which enable them to develop practical skills and theoretical knowledge in a wide variety of physical and recreational pursuits.

Students will take part in the following units of work: Invasion sports, Striking/Fielding sports and Net/Wall sports. Each unit will run for a term with a game sense approach, where students focus on tactics and decision making to help them develop an understanding of the games. Students will also take part in a fitness and recreation unit where they will explore their own fitness and have the opportunity to link in with community resources to experience various training methods and recreational classes for improved fitness.

Assessment will vary for different units of work and will range from tests, assignments, measurement of skill levels and the level of involvement and participation in class activities

Topics Covered

- Invasion Court Sports
- Invasion Field Sports
- Striking & Net/Wall Sports
- Dance
- Fitness & Recreation



INTERGREAT

**Pathway Subject(s): Geography,
Health, Dollars & Sense
Costs: TBA**

Course Outline & Assessment

The InterGREAT program has been designed to engage, address and nurture the unique needs of students at this critical age of their social, academic and emotional development. InterGREAT seeks to create real learning experiences for Year 9 students both within the classroom and within the extended community. Included in this program are the major activities of Year 9 Adventure Camp, City Experience Week, along with many guest presentations throughout the year. It also aims to promote a heightened understanding of the self and the self in the world.

Assessment in this subject will culminate in various projects throughout the year including:

- Personal Project
- Making a Difference Filmmaking Documentary
- Global Challenge
- Discover Melbourne Project
- Opportunity Challenge
- Weekly Reflection Tasks

Topics Covered

The program will enable students to pursue personal and community service projects and provide a framework for hands-on learning. It also allows for students to develop a social responsibility and ethical thinking when considering these themes across the year:

- Term 1: The Self
- Term 2: The Self in the Community
- Term 3: The Self in the World
- Term 4: The Future Self

InterGREAT also encompasses City Experience, which is a week where students explore the City of Melbourne and its culture and diversity. Students develop independence, maturity and time-management skills.

ART

Pathway Subject(s): Art, Media, Visual
Communication Design & Photography
Costs: \$0

Course Outline & Assessment

The Year 9 Art course encourages students to develop their practical and theoretical ideas and skills. Students will explore the art forms of drawing, painting and printmaking and create finished artworks. Students will also describe, analyse and interpret artworks to determine how artists communicate ideas and convey meaning in artworks.

Assessment includes folio development, finished artwork and art analysis.

Topics Covered

The course features three major assessment tasks:

- Research printmaking artists, materials, techniques, and processes and create their own lino prints. (40% of the overall grade)
- Study the art movement of Surrealism, artists and techniques and use this knowledge to create their own Surrealist-inspired artwork. (40% of the overall grade)
- Describe, analyse and interpret artworks using appropriate art concepts and terminology. (20% of the overall grade)

Printmaking: carving and printing lino.



Painting: learning about art movements and creating an artwork which features Surrealist signs and symbols.



Art analysis: writing about art and considering artists' use of materials and techniques, art elements and principles, interpretation and meaning.

DANCE

Course Outline & Assessment

Students will learn about dance from different cultures and styles. They build on their confidence and awareness of how the body can be used for specific dance styles. They gain an understanding of how to create movement as a choreographer and are given the opportunity to develop a dance that showcases their skills as well as communicates ideas to an audience. They acquire technical dance ability in a variety of styles while working safely large and small groups.

Topics Covered

Dance History and Traditions

Students participate in teacher led class workshops in cultural dance styles- African, Bollywood and Indigenous dance and traditional dance styles- Jazz, hip hop, contemporary, tap, ballet etc. Students complete research tasks on their chosen styles both cultural and style specific to gain greater understanding of the history and exploration of movement and how dance influences popular culture.



Choreography

Students explore their own personal dance style while creating choreography in small groups.



Present and Perform

Students learn dances in different styles to perform in small and large groups and learn more about their performance skills. Learning and rehearsing are vital but students also get the opportunity to perform dances to showcase their learnt skills and communication intentions of a choreographer in different styles.



DRAMA

Course Outline & Assessment

Students can tap into their creative side by creating and developing unique characters, relationships and situations. They experiment with the use of voice and movement with their peers to explore comical situations and dramatic potential. They experiment using different production devices such as sound, make up, costume and script interpretation to suit different audiences.

Topics Covered

Ensemble performance

Student will work together to create new work influenced by inspirational images, text and videos.



Acting

Student learn how to manipulate their voice, facial expression, movement and gesture to create 3D characters and their reactions to situations. After all acting is Reacting! ;)



Present and Perform

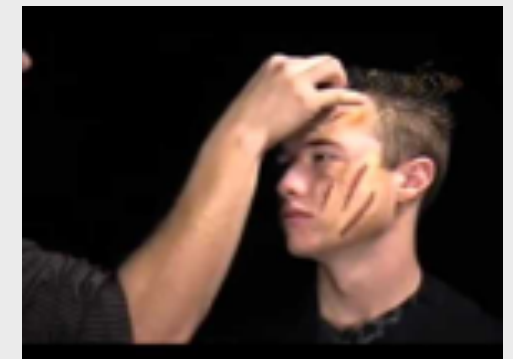
Perform student created and scripted drama making deliberate artistic choices and dramatic meaning for an audience. Working collaboratively as a member of a creative team to direct the blocking and staging of dramatic action to communicate intended meaning(s) for an audience.



Production Areas

Student will use different production areas such as lighting, sound, make up, costume, props and direction to enhance performances. *"Suddenly I heard the door squeak *insert Sound FX here... *"*

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Course Outline & Assessment

The course is an introduction to the study and creation of media, and the media's influence in contemporary society. Students will be introduced to the ways in which the media creates, distributes and markets information and texts.

The course is directed towards students who have a genuine interest in creating media and gaining a deeper understanding of how media can affect and influence us on a daily basis.

Assessment tasks will include; the creation and editing of a movie poster, short film analysis and text deconstruction, the creation and production of a music video.

For more information go to: <http://scriptclickcreate.weebly.com>

Topics Covered

Media Production

- Pre-production (planning),
- Production (filming or photography)
- Post-production (editing and marketing)

Media Theory

- Impact that the media has in everyday life
- Written, visual and oral communication
- Media analysis and text deconstruction



Course Outline & Assessment

This course has a practical focus and is designed to help students improve their performance capability and their understanding of how to compose and arrange musical compositions. This course is suitable for students who wish to study VCE Music and introduces some of the content and style of assessments that will be encountered in VCE.

Assessment includes performance, original composition, music technology and critical responses to music.

Topics Covered

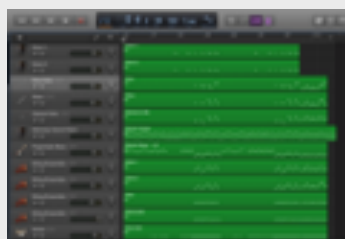
Performance

Students choose an instrument they wish to perform on. This may be an instrument they study privately or an instrument which they wish to learn more about. Students are then provided with a range of strategies and also investigate ways to improve their performance capability on their instrument. Assessment for this outcome is based on improvement and not on a set benchmark meaning any entry skill level is suitable.



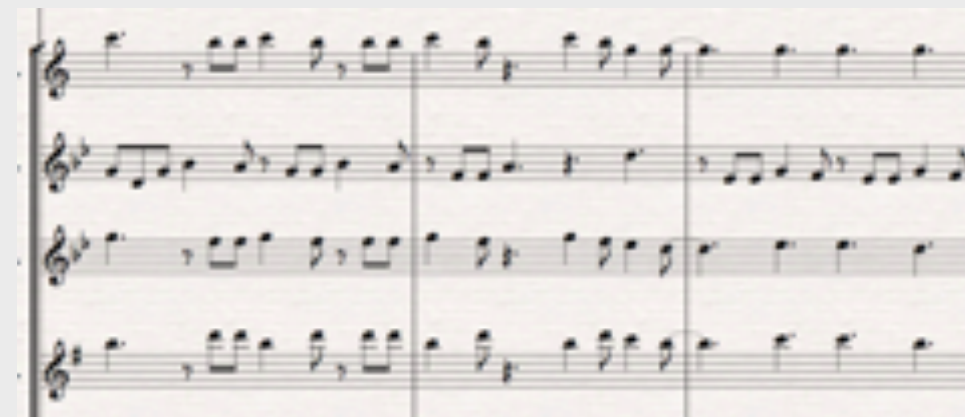
Performance Styles

Students learn about different styles of music to add informed interpretations of styles to their performance. Students learn about a range of styles of music including aspects such as; history, significant artists and stylistic features. Students chose a style of music to investigate.



Composition

Students learn how to practically structure theoretical concepts learnt in year 7 and 8 Music to create their own compositions as well as arranging music for different instruments. Students will create and perform their own composition.



MUSICAL THEATRE

Course Outline & Assessment

"We sing because we can't speak anymore. Dance is an extension of that - we dance because we can't speak anymore." — Kristin Chenoweth

Sometimes speaking to get our voice heard is just not enough. In musical theatre we draw upon other important skills to help express ourselves. This subject is a taste test of all the wonderful skills we learn in the Performing Arts. The subject will specifically encourage students to participate in a range of Performing Arts activities to learn skills incorporating music, dance, drama, and media with the intention of the opportunity to perform an ensemble creation of their own-a Mini Musical.

Topics Covered

Performing Arts Skills

Students will participate in a number of focused class activities to learn more about our expressive skills in drama through melodramatic performances, dance styles and how they can be used to add energy to a scene and music and it's connection to expression.



Musical theatre Style

Students learn about past famous musicals and learn repertoire from them to gain an understanding of the musical theatre style.



Present and Perform

Students have the opportunity to showcase all their learnt skills in the different discipline areas in a group task which they create their own 'Mini Musical'. The students are completely in charge of the themes, script writing, song choice and choreography each taking on an integral part of the artistic team to create a one of a kind musical.



PHOTOGRAPHY

Pathway Subject(s): Photography, Media,
Art, Visual Communication Design
Costs: \$0

Course Outline & Assessment

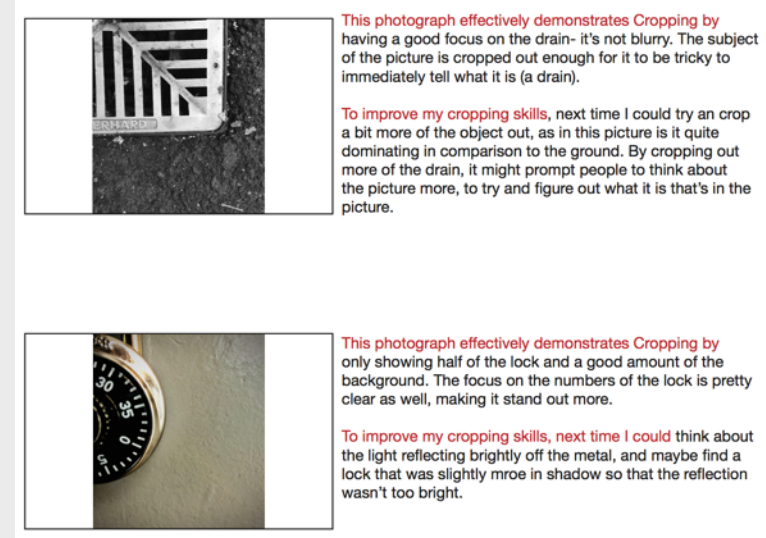
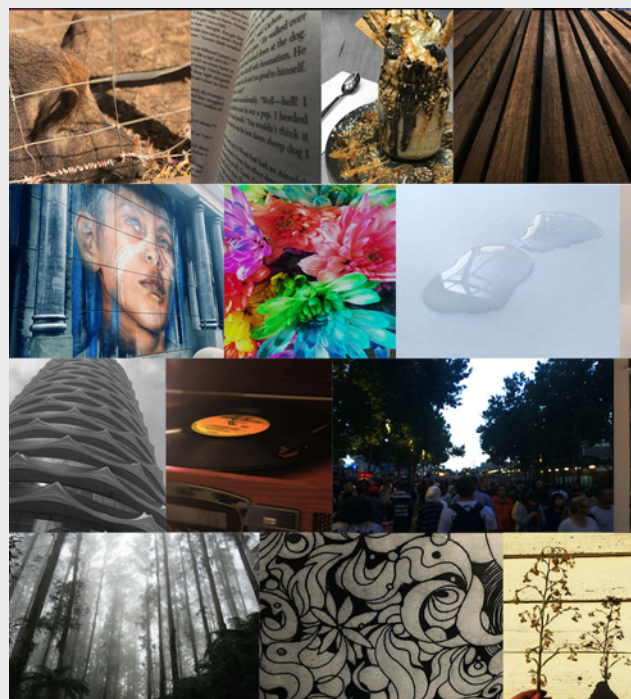
The year 9 Photography course encourages students to build on their photographic interest by enhancing camera handling knowledge and digital editing skills. Students will be introduced to a variety of basic compositional rules to assist with artistically composing photographs. Students will also learn to use digital editing software such as Photoshop to adjust and enhance images produced and InDesign to present their photographs.

Students are encouraged to have access to their own photographic device that they bring to every class such as a phone, iPad, digital camera or Digital SLR. Please note that the school library has cameras for students to borrow, but these are limited.

Assessment tasks include technical exercises, the creation of a photo story, Photoshop editing and research tasks.

Topics Covered

- Compositional Rules
- Camera Handling
- Photoshop Editing and Retouching
- Photoshop Filters
- InDesign
- Practicing Photographers
- Analysis and Evaluation
- Elements and Principles
- Visual Language



- **Technical Journal:** Students study compositional rules and use InDesign to present their photographs (40% of the overall grade).

- **30 Day Photo Collage:** Students take photos to represent a variety of themes. These photos are then edited in Photoshop and used to construct a collage (30% of the overall grade).

- **Photographer Research Project:** Students research an inspirational photographer and analyse the way they use compositional rules, elements and principles and visual language (40% of the overall grade).



VISUAL COMMUNICATION DESIGN

Pathway Subject(s): Visual
Communication Design
Costs: \$0

Course Outline & Assessment

The Year 9 Visual Communication Design course encourages students to build on their manual and digital design skills whilst learning and actively practicing the design process in their folio. Students will broaden their design thinking strategies and will become stronger at 2D and 3D technical drawing and developing visual ways of conveying information. Students will also learn to apply digital editing software such as Photoshop and Illustrator to produce final presentations.

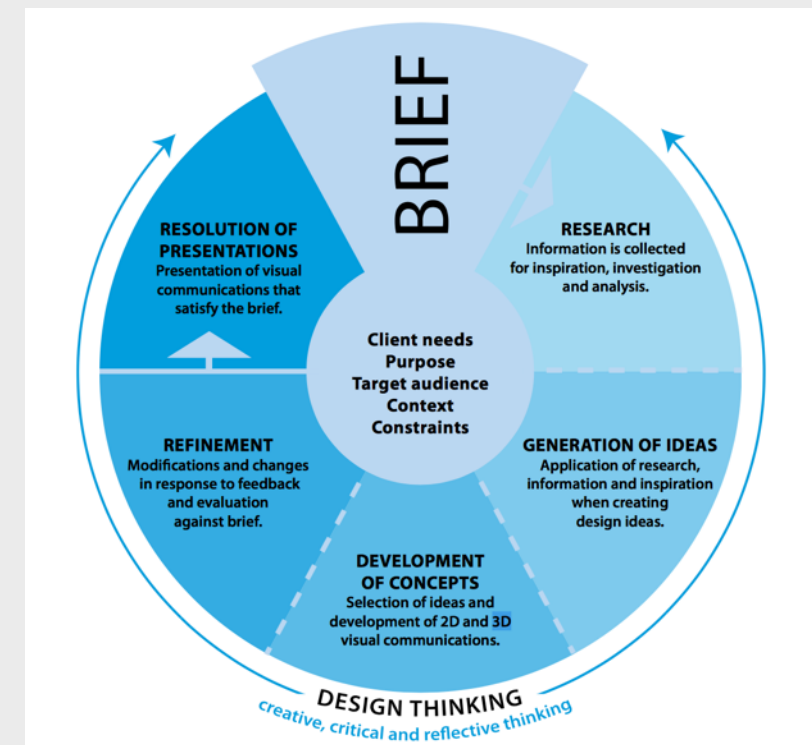
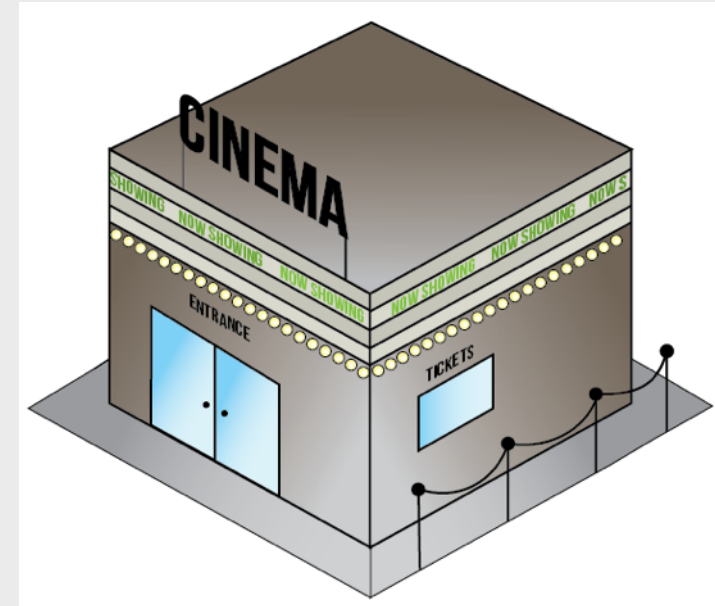
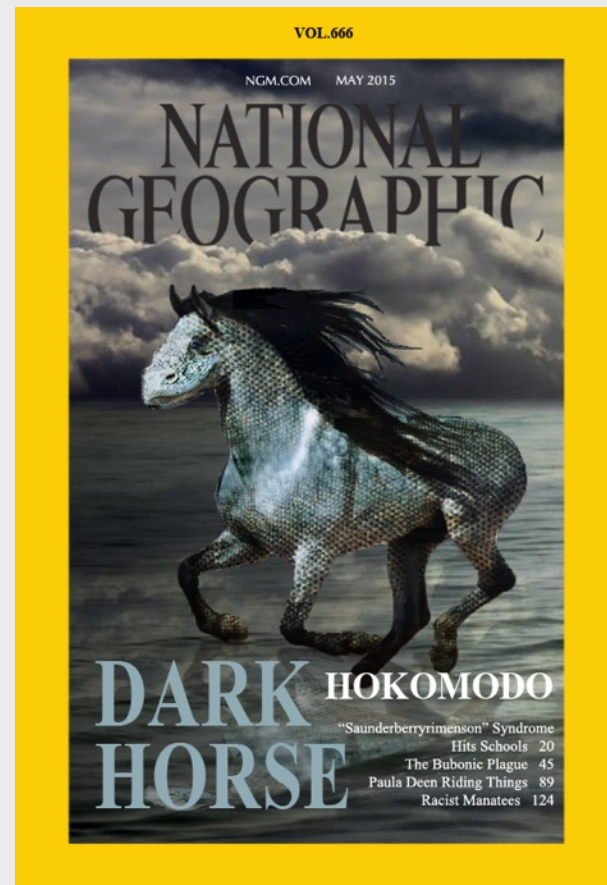
***Photoshop Magazine:** Students design a front cover for the well-known National Geographic Magazine using Photoshop. It will showcase a “new animal”, along with a traditional compositional layout. (33% of the overall grade).

***Building:** Students design a Planometric building using Illustrator. It will showcase specific features related to the building of choice. (33% of the overall grade).

***Analysis:** Students will write about a piece of visual communication and consider a designer’s target audience, purpose, use of materials, media and methods, elements and principles and influences. (34% of the overall grade).

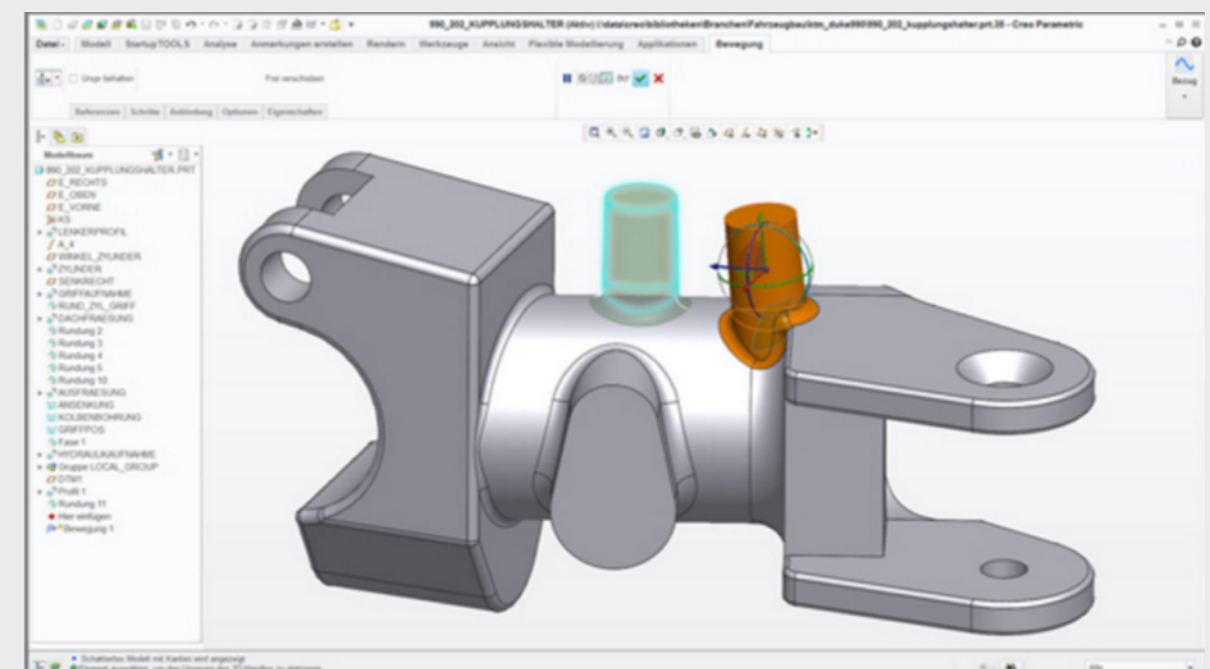
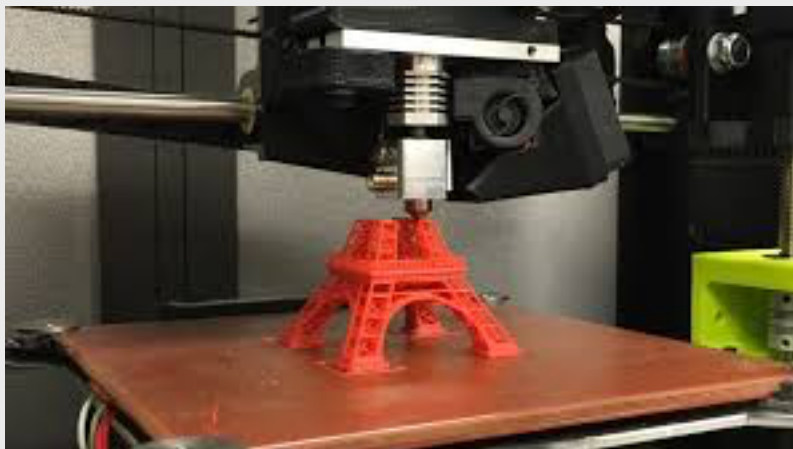
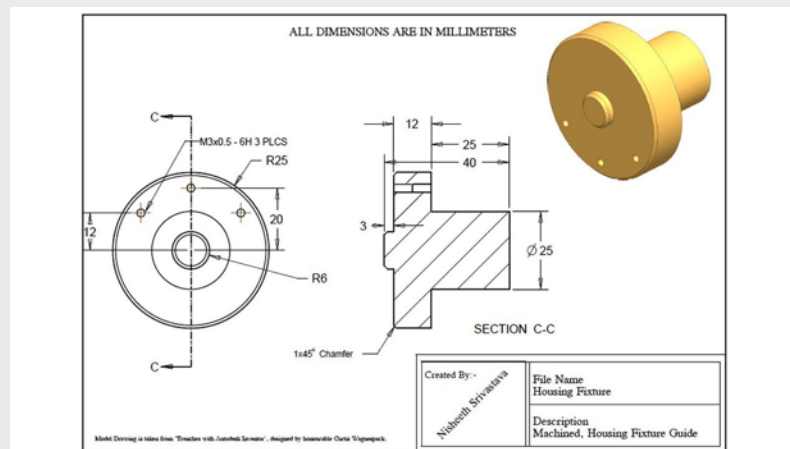
Topics Covered

- Design Process
- Design Thinking Strategies
- Photoshop
- Illustrator
- Planometric Drawing
- Orthogonal Drawing
- Materials, Media and Methods
- Elements and Principles
- Purpose and Target Audience



The course introduces design concepts and skills using (CAD), Creo software as an introduction. This aims to develop ideas and skills using 3D computer modelling that will develop the student's ability to analyse and produce real life objects. Students learn to critically analyse 3D graphic concepts to gain a sound understanding of their potential pitfalls of the process of conveying ideas and information by computer modelling.

- Interpreting Drawings
- 3D modelling using CAD
- Creating drawings
- Converting CAD to other formats



FOOD & TECHNOLOGY

Pathway Subject(s): Bakery Delights &
Restaurant Delights
Costs: \$85

Course Outline & Assessment

Food plays such an important part in everyone's life that we should all have the basic skills to use and enjoy it. Food and Technology will provide students with the opportunity to develop the skills that will enable them to confidently prepare foods for themselves and others. It will also allow them to expand their knowledge of food and health and consequently make informed decisions regarding their food choices.

Assessment will include participation in practical activities, theory exercises, design briefs and maintenance of a journal.

Topics Covered

- Safe and hygienic food handling practices to prevent food spoilage and food poisoning
- The use of the Healthy Living Pyramid to assess food choices
- Methods of meal preparation
- Methods of preparing a variety of flour mixtures
- Research and implement solutions to design briefs
- The use of appropriate tools and equipment to produce optimum results
- Sensory evaluation on a range of food items



INFORMATION TECHNOLOGY

Pathway Subject(s): IT Web Technologies
& IT Programming
Costs: \$0

Course Outline

Information Technology develops further skills in informatics and software development.

Students study how to use Excel to analyse large sets of data, do complex calculations and display information in charts and tables. These skill can be used in other subjects such as Mathematics and Science .

Students study how to make interactive Powerpoint presentations that include builds, transitions, animations and action buttons to create engaging presentations. These skills can be used in all other subjects.

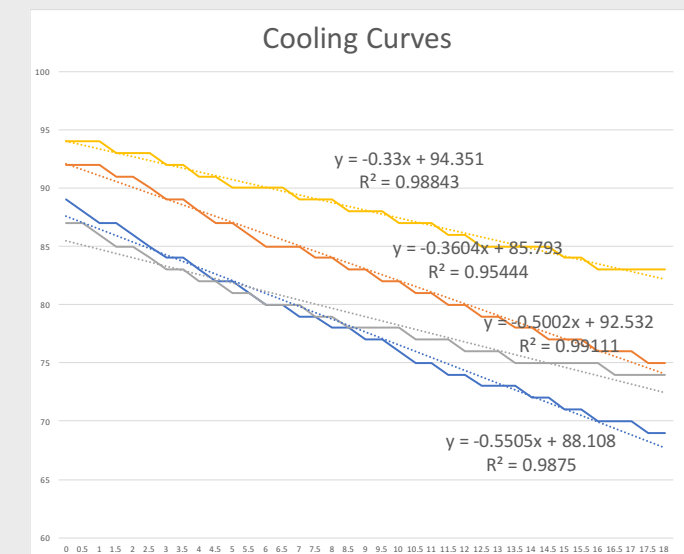
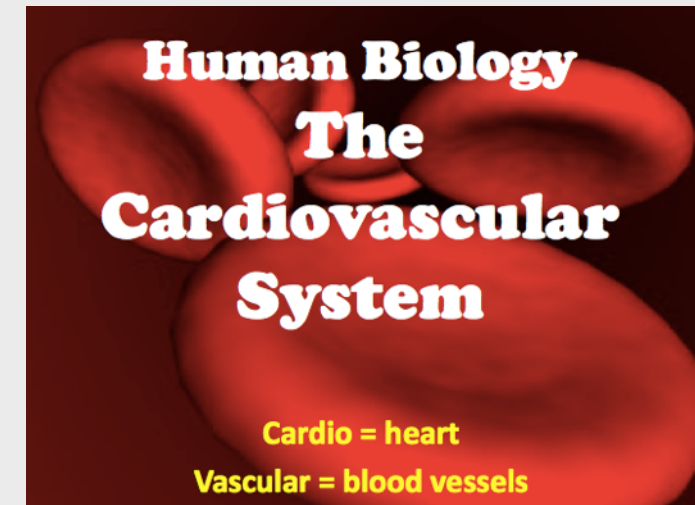
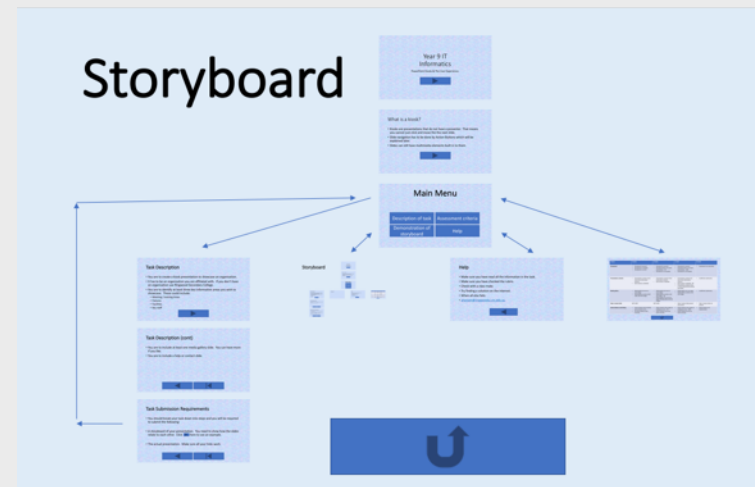
Students are introduced to the Python programming language that is used in years 10, 11 and 12. They will learn to simulate events such as dice rolling and card drawing to develop simple games that can be further developed according to the students imagination.

Topics Covered:

Excel - Formulae, calculations, graphs & charts.

PowerPoint - Templates, builds, transitions, animations, action buttons, kiosk presentations.

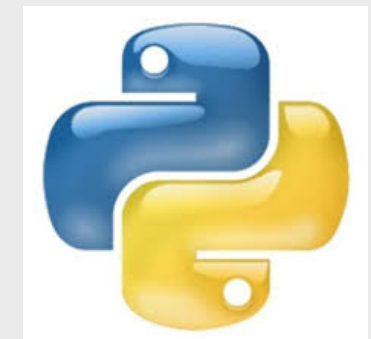
Python - Variables, arrays, FOR loops, IF statements, basic game design, random numbers, cards and dice.



```
class Item():
    """The base class for all items"""

    def __init__(self, name, description, value):
        self.name = name
        self.description = description
        self.value = value

    def __str__(self):
        descStr = self.name + '\n====\n' + self.description
        return descStr
```



Course Outline & Assessment

The course introduces students to fashion design and garment construction, and extends their knowledge on crafts. Basic skills are extended and many new skills introduced. Students will become familiar with the taking of personal measurements, use of commercial patterns and layout, and printed instructions. As design is now part of the Learning Standards, students will complete two practical work requirements.



Production:

1. Investigate, Design and Produce Boxer Shorts (fabric provided for this project).
2. Student's own choice (Students must purchase their own fabric and notions for this project).

Suggestions: Tracksuit pants, Hoodies, P.J's, Christmas decoration, Christmas stocking
Students will be introduced to Design Briefs and will keep an accurate journal for each practical work requirement.



PRODUCT DESIGN & TECHNOLOGY: WOOD

Pathway Subject(s): Product Design &
Technology: Wood
Costs: \$0

Course Outline & Assessment

Woodwork Technology at Year 9 level concentrates on the practical and creative aspects of woodwork. The course aims to develop a sense of achievement in designing and producing models of practical value whilst developing skills which will allow those students who elect Year 10 Woodwork Technology to tackle either more advanced practical work, or the more creative forms of woodwork, with some degree of confidence in their own ability and knowledge of the medium.

There is a clear value of woodwork skills for all students in practical, vocational or recreational situations.

This structured course is aimed at introducing students to the creative aspects of woodwork whilst allowing for a continuation of the practical techniques and skills developed in Year 7.

Students are required to complete two models, keep a journal and complete an investigation.



Topics Covered

- Designing a product from a set design brief
- Planning and time management
- Producing a designed product safely using hand and power tools.
- Evaluating the finished product against the your initial design



ROBOTICS

Pathway Subject(s): IT Web Applications
& IT Programming
Costs: \$0

Course Outline & Assessment

Robotics will introduce students to the design, manufacturing and evaluation processes in a number of technological applications. Students will gain an understanding of the components that are used to build a system. Robotics will be investigated through the construction of models using VEX robots and the Arduino microcontroller. Although a considerable amount of time will be involved in practical work, students will become aware of the increasingly greater role Robotics plays in our everyday lives and its effects on our society, through worksheets and research topic.

Assessment

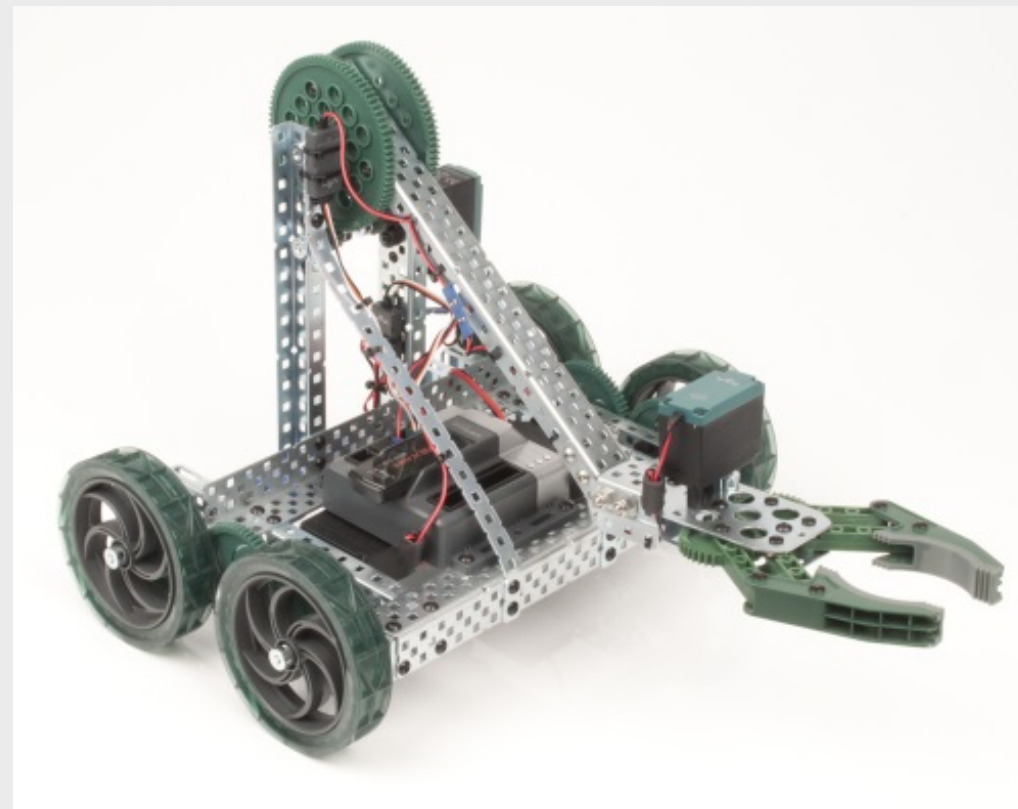
Production: The student must make products that demonstrate the use of appropriate skills and techniques and implementation of the design briefs.

Journal: The completion of an organised record of work, including investigations and evaluation of components to build robots.

Investigation: The completion of independent research on a topic related to a focus of study e.g. robots in industry.

Topics Covered

- Mechanical systems
- Electrical systems
- Basic movement
- Advanced control including obstacle avoidance.



SYSTEMS ENGINEERING

Course Outline & Assessment

This course will provide the skills necessary to design and produce a product that will perform a function designed by the student. Continuing from earlier Materials/Technology and Digital Technology classes, Materials and Systems will expand on students' design and fabrication skills and will also introduce client based portfolio work.

Projects in Year 9 will present students with a vast array of design options of a more elaborate nature than previous years. It encourages the use of a variety of materials, construction techniques and processes related to the expansion of fabrication skills.

Research investigations are an integral component of the course assisting in the understanding of how sustainable materials can be implemented with chosen design parameters.

The course is divided into two areas of study; the portfolio (powerpoint) component and the practical component. Theory work consists of a client based portfolio and research task work that will account for 60% of the final result, where practical work is criteria assessed and will account for the remaining 40%.



Skills Developed

- Effective portfolio design and development
- Reading and drafting technical drawings
- Sketching
- Fine machine work utilising the Lathe
- Fine measurement
- Shaping
- Forming
- Drilling
- Soldering
- Safety



FRENCH

Course Outline & Assessment

The French course at Ringwood Secondary College is a vibrant, exciting and interactive course intended to have a practical value for students to listen, read, speak and write the language as it is written and spoken in France and French speaking countries.

Exciting extension activities outside the classroom are also provided, which can enrich personal skills and resources and make learning fun.

Competitions, film studies, French theatre exhibitions and restaurant/café visits are enjoyable activities and help foster the spirit of language learning. The topics studied are taken from the student's personal world and the broader Francophone world. We look at topics such as household chores, daily routines and holiday plans in conjunction with present, future and past tenses. Technology plays an important role in the French course to give access to authentic and current material through the use of the laptop.

Assessment is based on tests, oral assessment, listening comprehension tests, projects and homework sheets.

Topics Covered:

- Hobbies and weekend activities
- Jobs, 'the world of work'
- French culture and travel
- French food and healthy eating
- French media and books
- 'Where I live' – describing your house and the area you live in
- School



INDONESIAN

Course Outline & Assessment

Learning another language opens your awareness of how other people speak and live and is vital for your communication with and understanding and tolerance of cultures other than your own. Another language can enrich your personal communication skills and resources, add to your ways of spending leisure time, let you communicate with a wider range of people and increase career opportunities, not to mention that Indonesia is Australia's closest neighbour and is the fourth most populated country in the world with over 240 million speakers of Indonesian.

The Year 9 Indonesian course aims to build on students' current passion and knowledge of Indonesian language and culture. Students will be introduced to more complex grammar patterns and will be encouraged to communicate more in the target language through general conversation. Students will also be encouraged to practise their Indonesian writing skills through a pen-friend program with our sister school in Indonesia.

Students will have the opportunity to use their Indonesian language skills outside of the classroom in an authentic environment. By continuing on with their Indonesian journey at Ringwood SC, students will also give themselves the opportunity to potentially participate in a Homestay and Cultural trip to Indonesia.

Topics Covered

Body and health

Learn the vocabulary for certain body parts and how to express illnesses and health concerns.

Going to the market

Learn how to bargain for fruits and vegetables in an Indonesian market.



Eating out in Indonesia

Learn how to order a meal and eat respectfully according to Indonesian culture. Students will get to put this into practise at an Indonesian restaurant.



The home

Learn how to express details about your family home.

DUKE OF EDINBURGH

**Pathway Subject(s): Physical Education
& Active for Life**
Costs: \$750

Course Outline & Assessment

The Duke of Edinburgh's Award Program in Year 9 is a year-long subject. The program aims to offer students the opportunity to develop new life skills and exposure to a variety of activities. Throughout the year, the two classes will take part in a number of camps (overnight camps in Term 1 and a three-day bushwalk in Term 4), excursions (orienteering and cross country skiing), community service, personal extension and cooperative and teamwork tasks. These tasks will require many interpersonal and personal skills such as teamwork, leadership, and creative and logical thinking. Students will also gain their level one First Aid Certificate in Term 4.

The Duke of Edinburgh's Award is a large focus of the course and students will need to commit to many extra hours out of school time to complete their Bronze Award within the year.

The Duke of Edinburgh Award is an initiative requiring students to complete:

- Community service
- Learning a new skill (any passive skill eg a musical instrument, cooking)
- A recreation component
- In addition to scheduled class time, students undertake an average of one hour per week for three months for each of the three areas listed above, extending one of them to six months.
- An expedition component, which is covered by the camps

Classes

The class is limited to 40 students (two classes of 20 students) because of transport, staffing and funding limitations. Students are selected based on their application, recommendations from the Year 8 Coordinators and teachers who identify those students who would most benefit from the program. The student's work habits of effort and behaviour, as reported on in semester reports, are taken into consideration.

Application

Students are required to access an Application Form from Compass. Completed applications must be submitted to the Library by 3.30pm on Friday 20th July. Students will receive confirmation if they are successful in their application. Only successful applicants should select Duke of Edinburgh's Award Program in their online subject selection.

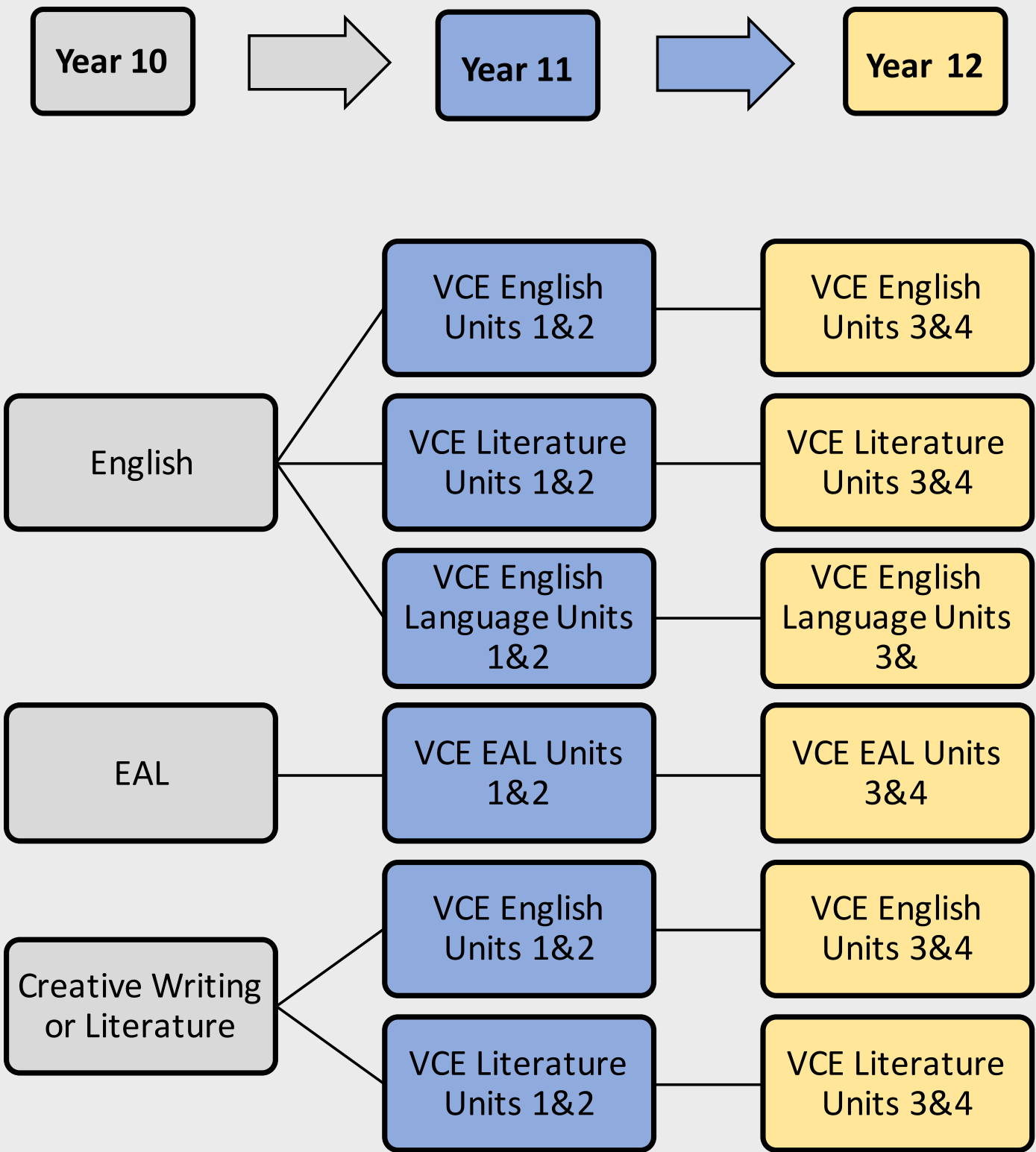


YEAR 10 PROGRAM

The following Year 10 program information will outline the core studies and elective options available to Year 10 students in 2019.



ENGLISH



Course Outline & Assessment

English is a subject which provides students with an excellent foundation in terms of written and oral communication skills. In English students study a range of texts including novels, films and media texts. Students develop their skills as a writer and create a number of persuasive, creative and expository texts. The texts studied in this course include; 'Mabo' by Rachel Perkins, 'Macbeth' by William Shakespeare, Night by Elie Wiesel and 'Paradise Road' by Bruce Beresford.

Assessment will focus on major areas: Reading and Responding, craft of writing and oral presentations. Examples of such; oral presentation, persuasive essays, creative responses and analytical text response essays.

Topics Covered:

- Persuasive Oral Presentation
- Persuasive Writing
- Analytical Writing
- Comparative Analysis
- Creative Writing



CREATIVE WRITING

Pathway Subject(s): VCE English, English Language & Literature

Partner Subject(s): Literature

Costs: \$0

Course Outline & Assessment

This course is not just about writing stories: it is about capturing a voice and making sense of experiences through writing. This course involves students in exploring the craft and art of writing as they produce their own writing, through a variety of activities. Students will explore the creation of character and voice, different writing forms and the challenging and exciting role of editing. The focus in this subject is on writing.

The course is divided into three areas for assessment: A Journal which is a collection of ideas, character outlines, plans for plots, brainstorming, observations on other writing and contribute to 20% of the assessment. Class exercises are a collection of the weekly exercises exploring different approaches to writing, also contributing 20%. Finally, students will develop a Portfolio, which will be a collection of 2 finished polished pieces, complete with drafts, planning and handwritten notes/ideas of writing across different writing styles. This is worth 60% of the overall assessment.

Topics Covered

- Defining effective writing
- Narrative construction
- Working with narrative elements
- Children's books
- Character development
- Exploring the senses
- Poetic approaches
- Editing and reviewing



Course Outline & Assessment

Literature is a subject for lovers of reading, deep-thinking and fun discussions. Students study classic literature, including poetry and plays; but also contemporary texts, including films. Students will respond to these texts both creatively and through interpretation and close analysis; students will engage with a range of opinions on different literary eras and genres. Being in a classroom of thoughtful readers reinforces skills required in any English course; however, the subject is of value, enjoyment and interest whatever the student's further studies may be.

The course is divided into:

Poetry Analysis and Recording worth 20%, Novella and Film Adaptation – Comparative written response 30%, Creative Short Stories 25% & Novella Close Analysis 25%.

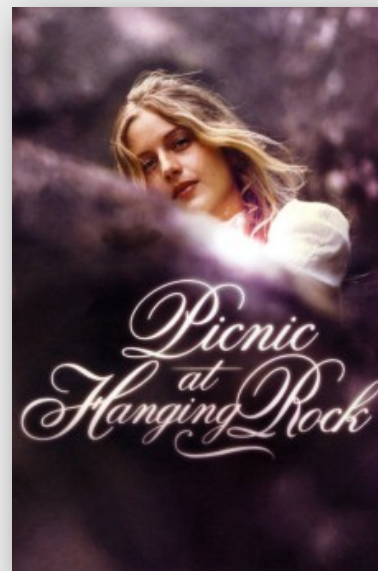
Topics Covered

• Reading and Analysing Poetry

Students study an anthology of curated poems from classic and contemporary forms. Students analyse features and conventions of specific poetry, imagery and different interpretations in order to produce their own poetry recording and a reflective commentary.

• Analysing Adaptations

Students will study a set novella focusing on setting, plot and narrative voice and compare the same features and conventions in a film adaptation of the same text. Students will produce a comparative written analysis to demonstrate their understanding of the notion that when the form changes, meaning can change for the reader/audience.



• Creative Response

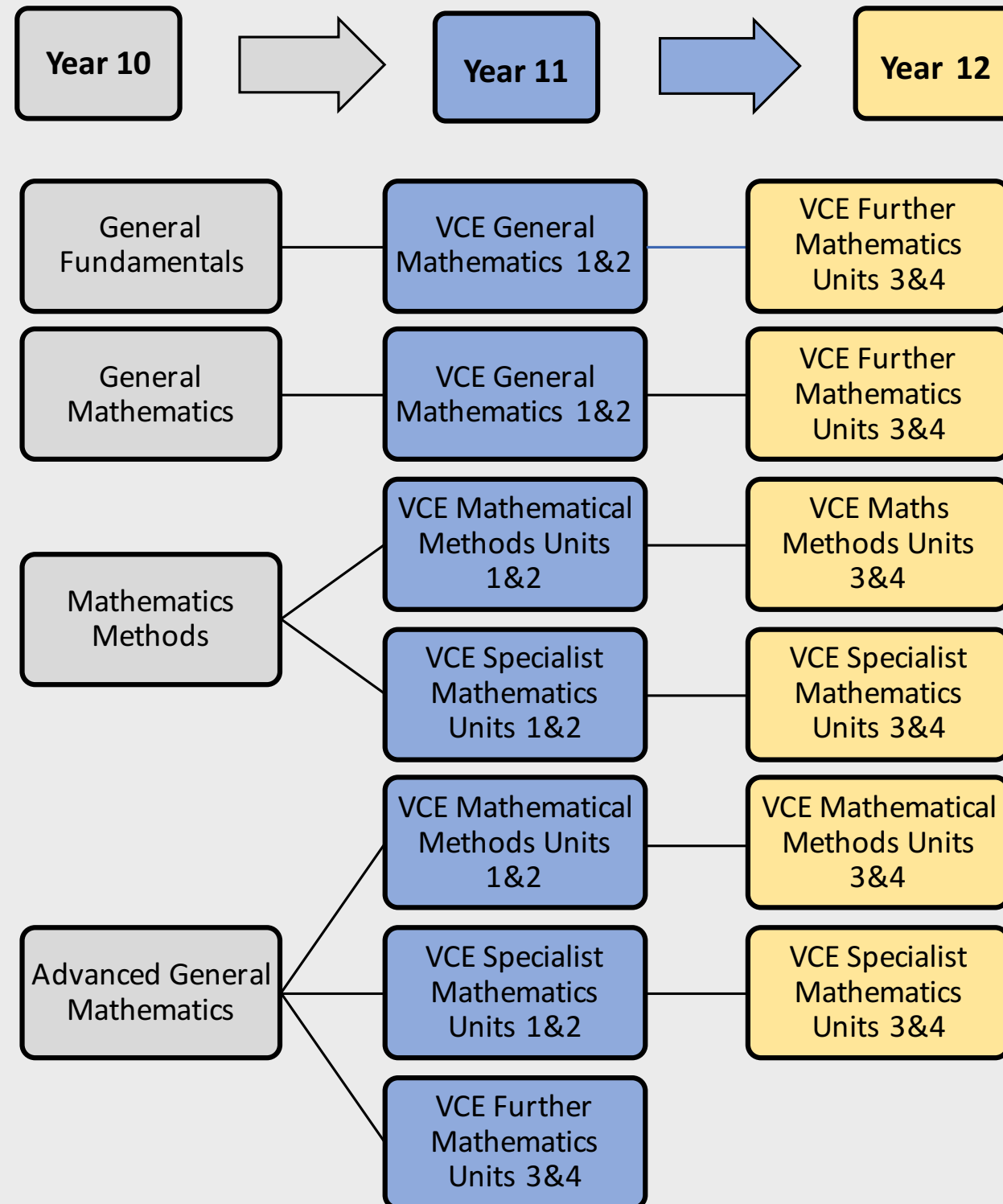
Students are given a range of short stories in order to focus on the imaginative techniques used for creating and recreating a literary work. They then choose one of the writers studied as a stimulus to create their own short story that will incorporate similar style and authorial concerns.

• Close Analysis

Students will study a different novella with the aim being to examine and explore the language, style and construction of the text. Working on selected passages of the text, students will analyse how structure, context, imagery and ideas within specific passages contribute to an understanding of the text as a whole.

•

MATHEMATICS



ADVANCED GENERAL MATHS

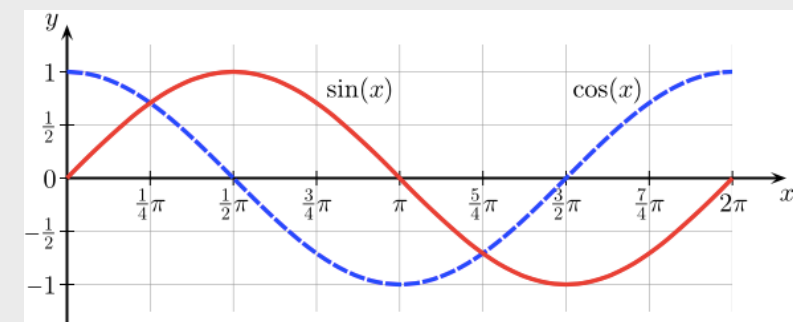
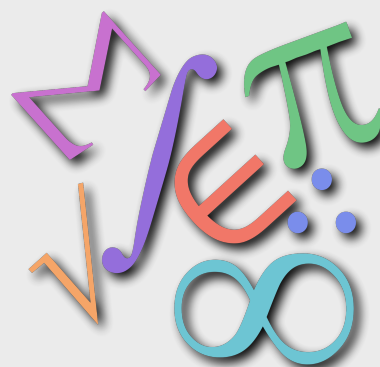
Pathway Subject(s): VCE Methods, Further &
Specialist Maths
Costs: \$0

Course Outline & Assessment

This course is designed to prepare students for VCE Mathematical Methods Units 1 & 2, VCE Specialist Maths Units 1 & 2 and/or VCE Further Maths Units 3 & 4. Students will undertake a range of mathematical studies and learn to solve problems with (and without) the aid of Computer Algebra System(CAS) technology.

The assessment for this course consists of:

- Topic tests (50% of overall grade)
- Assignments (20% of overall grade)
- End of semester exams (30% of overall grade)



Topics Covered

Matrices

Students will learn how to represent values in matrix form, perform operations with matrices and use them to solve simultaneous equations.

$$\begin{bmatrix} 9 & 13 & 5 & 2 \\ 1 & 11 & 7 & 6 \\ 3 & 7 & 4 & 1 \\ 6 & 0 & 7 & 10 \end{bmatrix}$$

Linear Algebra

Students will solve linear equations, sketch straight line graphs, solve simultaneous equations algebraically, and use linear function to model real-world scenarios.

Non-Linear Relations

Students will explore various graphs of non-linear relations including circles, hyperbolas and ellipses.

Complex Numbers

This topic includes the study of irrational, imaginary & complex numbers, including surds and the number i where $i^2 = -1$

Number Patterns & Recursion

Students will express sequences of numbers using recurrence relations and use these to generate further numbers in the pattern.

Circular Functions

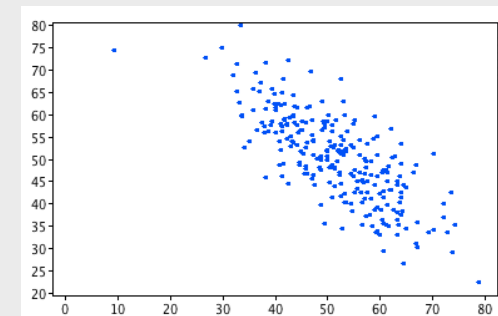
In this topic students will calculate exact values of sine, cosine and tangent functions, as well as exploring the unit circle and trigonometric graphs.

Vectors

Students will learn to use vectors to express magnitude and direction, and to perform operations with vectors.

Bivariate Data

Students will investigate the relationship between two variables, including the use of parallel boxplots and scatterplots.



GENERAL MATHEMATICS

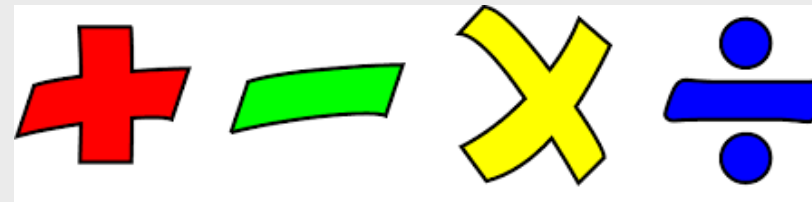
Costs: \$0

Course Outline & Assessment

This course is designed to prepare students for VCE General Maths Units 1 & 2. Students will undertake a range of mathematical studies and learn to solve problems with the aid of Computer Algebra System(CAS) technology.

The assessment for this course consists of:

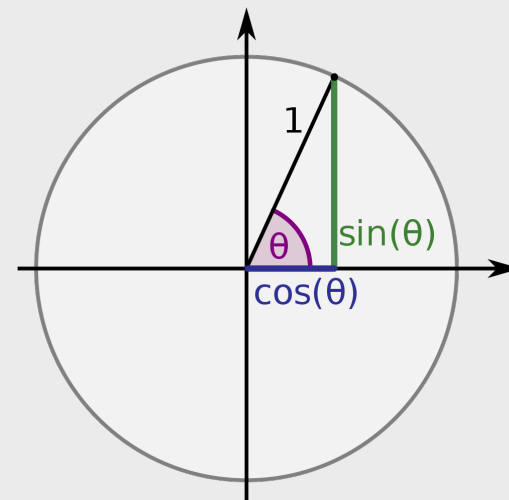
- Topic tests (50% of overall grade)
- Assignments (20% of overall grade)
- End of semester exams (30% of overall grade)



Topics Covered

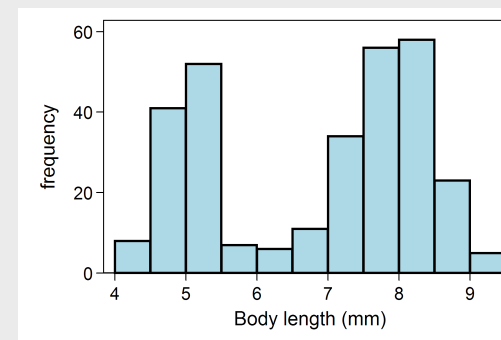
Trigonometry

Students will learn rules for finding unknown angles and side-lengths in right-angle triangles, and apply this knowledge to real-world applications.



Measurement

This topic focuses on area of two dimensional shapes as well as surface area and volume of three-dimensional objects.



Statistics

Students will study Univariate Data, including box plots and histograms, as well as Bivariate data, including scatterplots.

Linear Relationships

Students will learn to solve linear equations, sketch straight line graphs, and solve simultaneous equations.

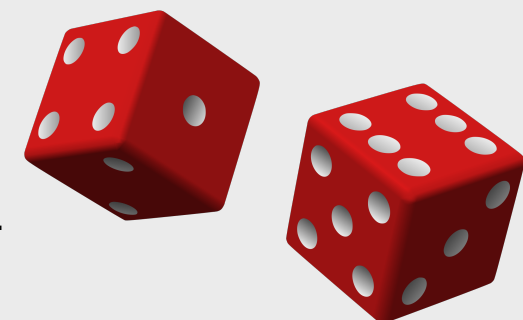


Financial Maths

Students will learn to make calculations relating to money, such as percentage discounts, simple interest and compound interest.

Probability

This topic includes basic chance, one and two step probabilities (e.g. what is the chance of rolling two sixes in a row?), Venn diagrams and tree diagrams.



MATHEMATICAL METHODS

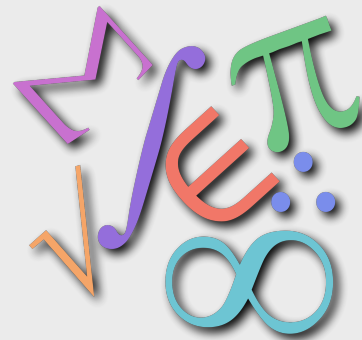
Pathway Subject(s): VCE Methods, General &
Further Maths, Specialist Maths
Costs: \$0

Course Outline & Assessment

This course is designed to prepare students for VCE Mathematical Methods Units 1 & 2. Students will undertake a range of mathematical studies and learn to solve problems with and without the aid of Computer Algebra System(CAS) technology.

The assessment for this course consists of:

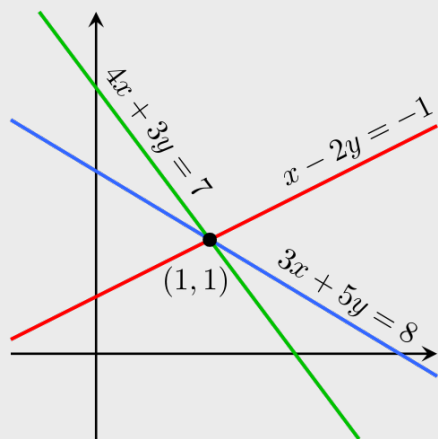
- Topic tests (50% of overall grade)
- Assignments (20% of overall grade)
- End of semester exams (30% of overall grade)



Topics Covered

Trigonometry

Students will learn rules for finding unknown angles and side-lengths in right-angle triangles, and apply this knowledge to real-world applications.



Linear Algebra

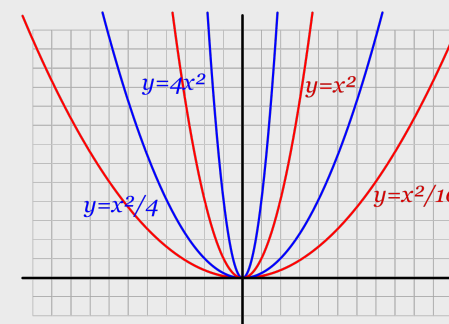
Students will learn to solve linear equations, sketch straight line graphs, and solve simultaneous equations.

Measurement

This topic focuses on area of two dimensional shapes as well as surface area and volume of three-dimensional objects.

Indices and Surds

Students will simplify expressions using index laws and perform operations with irrational numbers (surds).

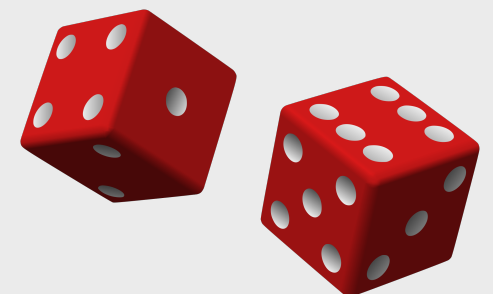


Quadratic Equations & Graphs

In this topic, students will learn to solve quadratic equations, as well as sketch graphs of parabolas.

Probability

This topic includes basic chance, one and two step probabilities (e.g. what is the chance of rolling two sixes in a row?), Venn diagrams and tree diagrams.



GENERAL FUNDAMENTALS

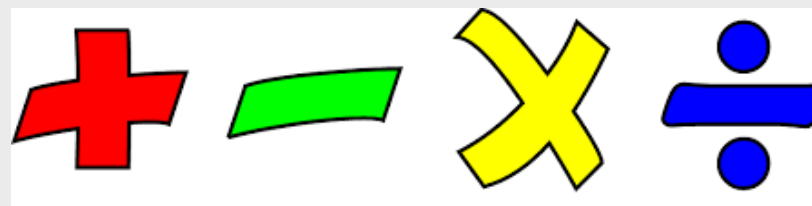
Pathway Subject(s): VCE General & Further
Maths (including VCAL)
Costs: \$0

Course Outline & Assessment

This course is designed to prepare students for General Maths Units 1 & 2, which can be studied in year 11 as part of either VCE or VCAL. Students will undertake a range of mathematical studies and learn to solve real-world problems with the aid of Computer Algebra System(CAS) technology.

The assessment for this course consists of:

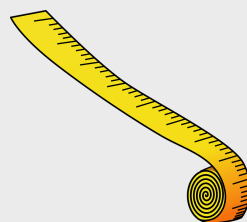
- Topic tests (50% of overall grade)
- Assignments (20% of overall grade)
- End of semester exams (30% of overall grade)



Topics Covered

Measurement

Including how to find perimeter, area, volume and surface area.



Consumer Arithmetic

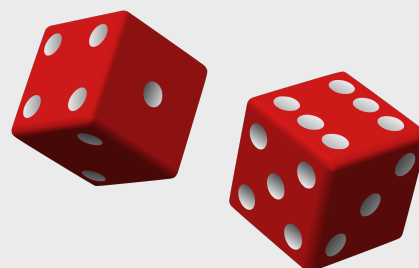
Including discounts, budgets and interest.

Algebra

Including using letters to represent numbers, substituting values, and using index laws to simplify expressions.

Probability

Including one and two-step chance (e.g. what are the chances of rolling two sixes in a row?), Venn diagrams and tree diagrams.



Statistics

Including collecting data, boxplots, histograms and scatterplots.

Straight Line graphs

Including linear graphs using technology, and their application to real-life problems.

Geometry

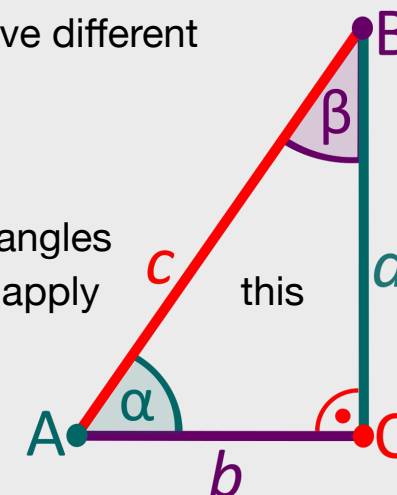
Including how to find missing angles in parallel lines, triangles and quadrilaterals.

Equations

Including the use of the CAS calculator to solve different types of algebraic and arithmetic equations.

Trigonometry

Students will learn rules for finding unknown angles and side-lengths in right-angle triangles, and apply knowledge to real-world applications.



SCIENCE



ENVIRONMENTAL CHEMISTRY

Pathway Subject(s): VCE Environmental Science & Chemistry

Partner Subject(s): Science Investigations

Costs: \$0

Course Outline & Assessment

This course has been developed as an introduction to Environmental Science Units 1-4 and Chemistry units 1 & 2. Students will be introduced to chemistry concepts, including properties and chemistry of water and this will lead into how chemistry can be used to monitor environmental damage, such as pollution that has occurred in river systems and lakes.

The course is divided up into: Practicals (25%), Assignments (including a scientific poster) (20%), Topic Tests (30%) & Exam (25%).

Topics Covered

Atomic Theory & Periodic Table

Students will be able to demonstrate knowledge of basic atomic theory and how the periodic table is formed

Principles of Bonding

Students will investigate ionic bonding and covalent bonding

Chemical Reactions

Students will investigate different chemical reactions related to ecological concepts such as photosynthesis, redox and precipitate reactions



Chemistry of Water

Students will obtain an understanding of the importance of water to all living organisms

Earth Science

Students will investigate the different biogeochemical Cycles such as the water cycle and they will discover how pollution can impact on the waterways.

Students will undertake a major project to determine how polluted two different waterways are using data logging equipment to test water samples. They will create a scientific poster on their findings.



FORENSIC SCIENCE

Course Outline & Assessment

This course provides students the opportunity to participate in a range of activities to develop their theoretical knowledge, analytical skills and practical ability in a variety of disciplines within Forensic science.

The course is divided into practical experiments, assignments, unit tests and an end of semester exam.

Topics Covered

Biology in Forensics

Students will explore types of evidence, blood analysis, DNA profiling, fingerprinting, hair and fibre analysis, entomology and anthropology.

Chemistry in Forensics

Students will explore atomic structure, the periodic table, chemical reactions, acids and bases and chromatography.

Physics in Forensics

Students will explore Newton's Laws of Inertia and skid mark analysis.



PROJECTILE SCIENCE

Pathway Subject(s): VCE Biology, Chemistry & Physics

Partner Subject(s): Science Investigations

Costs: \$0

Course Outline & Assessment

This course has science concepts drawn from chemistry, physics and biology. Students investigate pathogens, how disease spread, chemical reactions, and projectile motion. In the latter part of the semester the students will conduct a self-designed practical task investigating the motion of rockets.

The course is divided into three areas of study: Chemical reactions, Motion, and Diseases. Assessment focuses on scientific inquiry skills and knowledge. The assessment comprises of practical work (20%), 2 assignments (20%), tests (30%) and end of semester exam (30%).

Topics Covered

Chemical Reactions

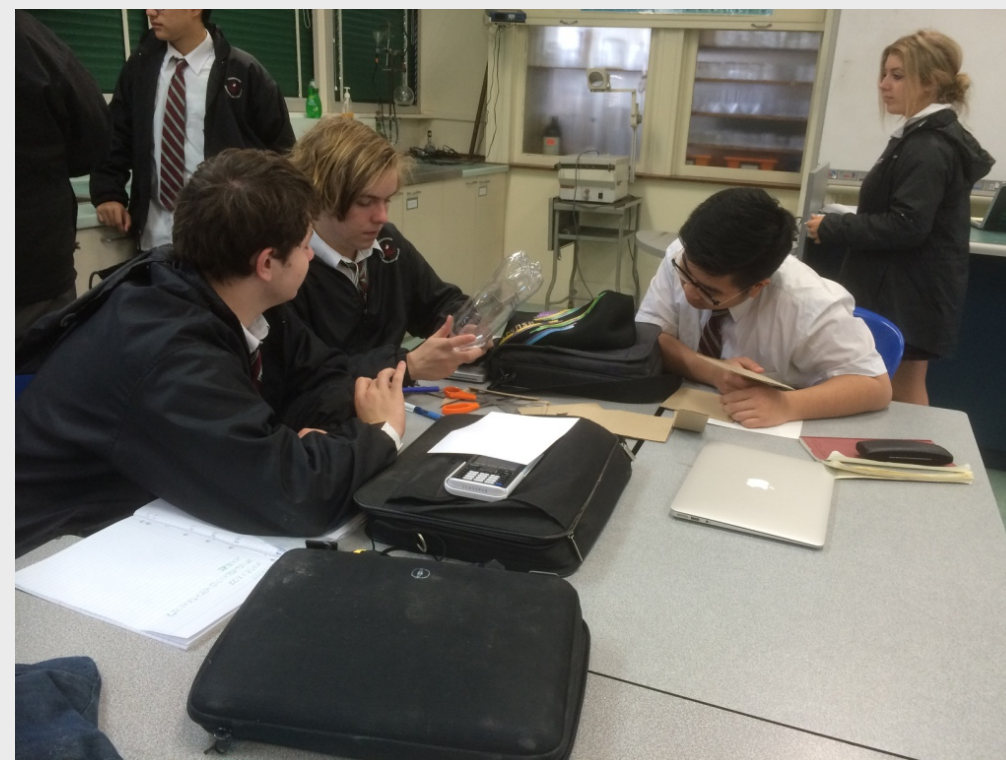
The concept of chemical reactions will investigate different types of reactions that link to everyday life, and rocket propulsion.

Motion

Students investigate displacement, velocity, acceleration, and Newton's Laws. Various experiments are conducted to collect data on forms of motion. This area of study concludes with a student design investigation of rocket flight.

Disease

Students investigate how disease spread, the type and effect of various pathogens. Concepts are linked with chemical reactions and motion at a pathogen level.



SCIENCE INVESTIGATIONS

Pathway Subject(s): VCE Biology, Chemistry, Physics, Environmental Science and Extended Investigations

Partner Subject(s): Extension or ACE programs Costs: \$0

Course Outline & Assessment

This course delivers theoretical and practical components from the year 10 Victorian Curriculum for Science and Unit 1 and 2 VCE Key Science Skills from the VCE Science study designs. The content covers the topics of Biology/Environmental Science, Chemistry, and Physics . There is a specific focus on practical work and investigation research.

Students will be assessed on their knowledge and skills in this subject through investigation reports (50%), Practical skills (25%), and a semester exam (25%).

Topics Covered

Chemistry

Students will learn about different chemistry experimental techniques and Chemistry theory. They will be given an opportunity to design and undertake research and an investigation to develop a better understanding of an area of interest in Chemistry.



Physics

Students will learn that global systems rely on interactions between the hydrosphere, lithosphere, atmosphere and biosphere. Students will model nutrient cycles and investigate how human activity can affect global systems. Students will also investigate why global warming and renewable energies have become issues in our community.



Biology/Environmental Science

Students will learn that heritable characteristics are transmitted from one generation to the next by genes and DNA. They will also recognise the importance of fertilisation and meiosis in the passing on of genetic information from parents to offspring. The issue focus of this topic is genetics and the use of biotechnology in reproduction and genetic manipulation.



Course Outline & Assessment

This course has been developed as an introduction to the VCE Psychology units 1-4. It covers key areas of Psychology such as research methods, the brain, clinical psychology and forensic psychology. Students will develop key skills in the scientific method required as they progress towards their senior years.

The course is divided into three assessment tasks: An introduction to Psychology test, Student Directed Research & Classwork.

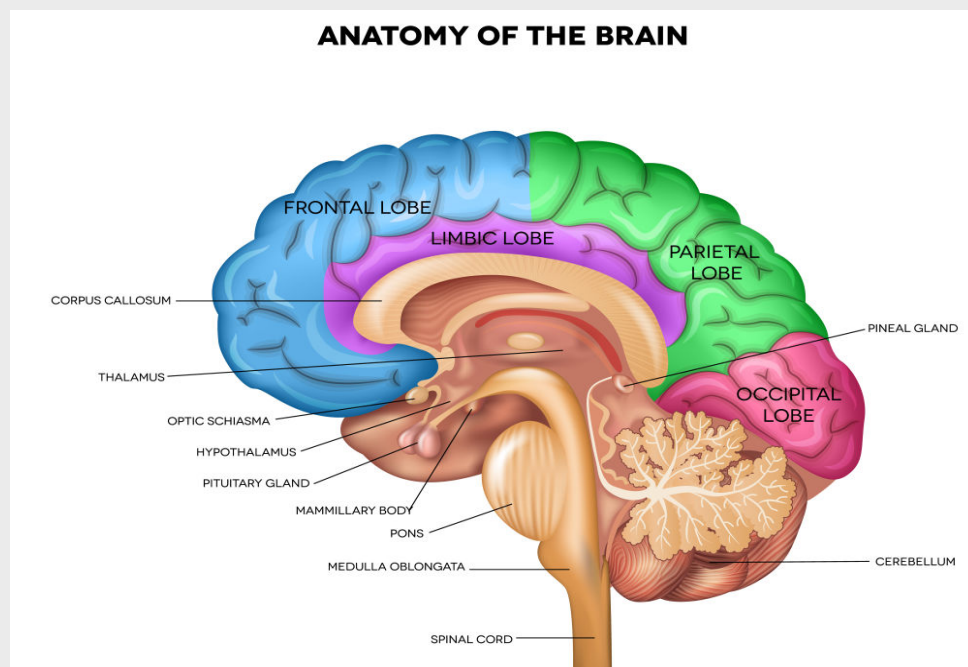
Topics Covered

Research Methods

Includes developing hypotheses and identifying variables, planning and undertaking investigations and the study of ethics.

Study of the Brain

Understanding of brain structure and function.



Clinical Psychology

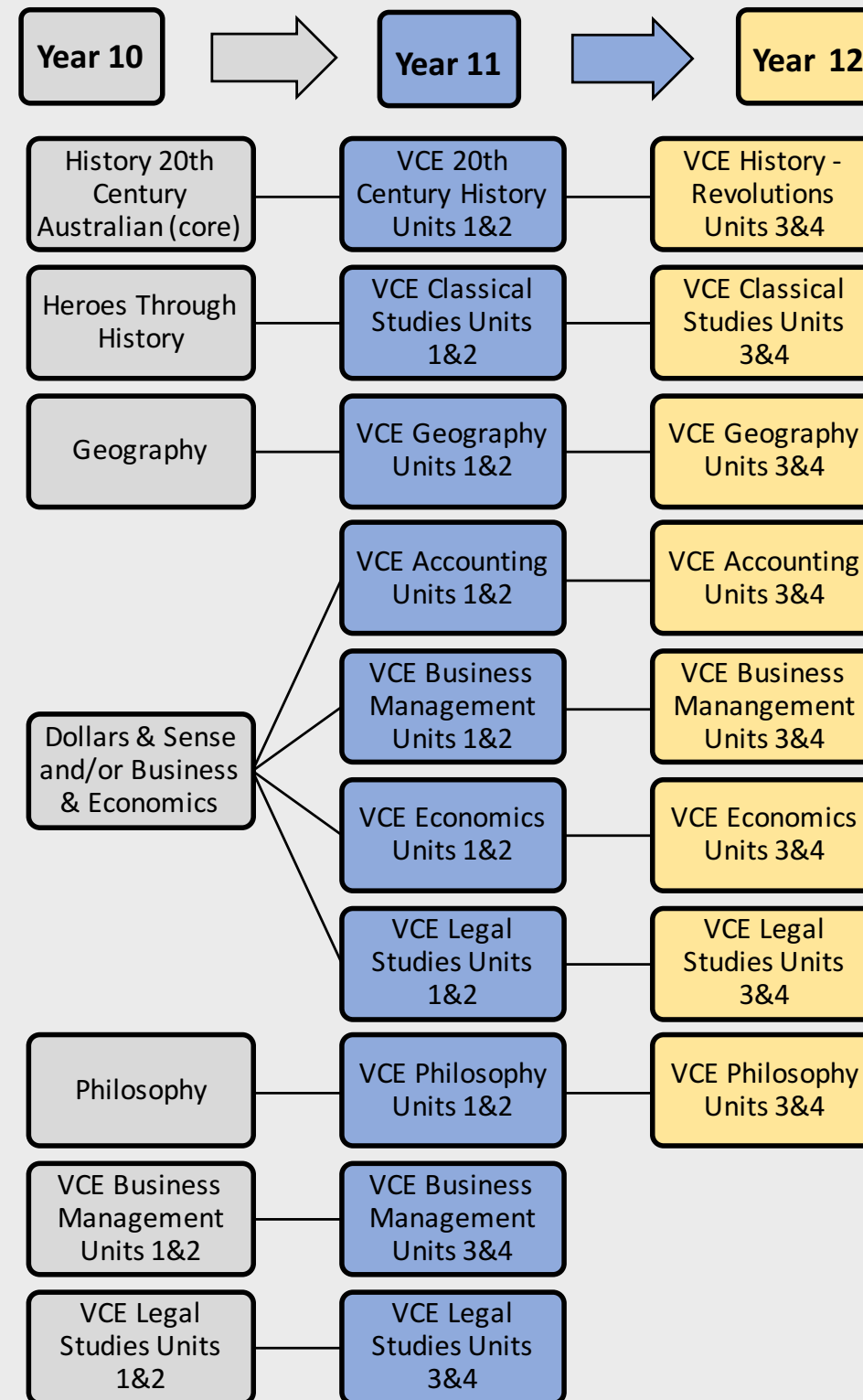
What is mental health and mental illness? How do we diagnose mental illness?

Sleep and Dreams

The stages of sleep, sleep disorders and dreams will be looked at if time is available.



HUMANITIES



HISTORY (20TH CENTURY AUSTRALIAN)

Pathway Subject(s): VCE History
Partner Subject(s): Heroes Through History & Philosophy
Costs: \$0

Course Outline & Assessment

This course seeks to build from learning in Year 9 by examining the world in the 20th Century. This century of war, technological development and struggles for freedom is intensely interesting and worthy of close study.

This course features four major assessment tasks:

- Document analysis
- Research report
- Digital History video
- End of unit exam

Topics Covered

Between the Wars

This unit examines the rapid changes the world endured in the wake of World War 1.

World War II

This unit focuses on the causes, major events and consequences of this devastating war.

Rights and Freedoms

This unit looks at the various rights movements that took place in the second half of the 20th Century with a particular focus on indigenous Australians' fight for justice.



BUSINESS & ECONOMICS

Pathway Subject(s): VCE Accounting, Business Management, Economics, Legal Studies

Partner Subject(s): Dollars & Sense

Costs: \$0

Course Outline & Assessment

This course is about understanding how economic choices impact individuals, business and the broader economy. It also serves as valuable preparation for VCE Commerce subjects such as Economics, Business Management, Legal Studies or Accounting.

The course features assessment tasks which include:

- Marketing plan
- Small business project
- Job Advertisement
- Topic test (Economics)

Topics Covered

Marketing

Students create an Advertisement for a Lego product

Innovation & Entrepreneurship

Students complete a small business project (turn your idea into a small business)

Work & Work Futures

Students consider the way the work environment is changing. They create an advertisement for a position within their small business

How Economic decisions impact you

Students learn some key economic concepts for a topic test



DOLLARS & SENSE

Pathway Subject(s): VCE Accounting, Business Management, Economics, Legal Studies

Partner Subject(s): Business & Economics

Costs: \$0

Course Outline & Assessment

This course explores the various forms of investment and money management. A key focus is placed on the various ways to invest money, learning about taxation and superannuation, the stock market, banking, scams, clever spending and personal budgeting. Through extensive use of the internet, computer simulations and the media, students will acquire skills and understanding of the financial world. Dollars & Sense also serves as valuable preparation for VCE Commerce subjects such as Accounting, Business Management, Legal Studies or Economics.

Assessment includes workbook, a range of assessment tasks including the sharemarket game, research projects, movie making and presentations.

Topics Covered

Budgeting, Banking and Saving

Students plan for a major purchase in their life.

Scams

Students create a video campaign warning people about a particular scam.

Investments

Students research different companies as part of the ASX Sharemarket Game.

Employee Rights, Superannuation and Tax

Students research their rights and obligations as employees.



GEOGRAPHY

Pathway Subject(s): VCE Geography
Partner Subject(s): Environmental Chemistry
Costs: \$0

Course Outline & Assessment

This course focuses on fascinating and important elements of today's world by examining the causes and management of environmental change and how humans can address global inequality.

The course features three major assessment tasks:

- Global Inequality data analysis test
- Digital Google mapping exercise
- Coastal environment field trip report

Topics Covered

Human Wellbeing and Inequality

This topic seeks to examine the many factors that lead to inequality across the globe and how Government and NGO's like the Red Cross and Oxfam seek to improve it.



Environmental Change

This topic looks at how humans change and manage natural environments with a particular focus on coastal landscapes.

HEROES THROUGH HISTORY

Pathway Subject(s): VCE Classical Studies & History

Partner Subject(s): History & Philosophy

Costs: \$0

Course Outline & Assessment

This course argues that we can understand different cultures throughout history by examining their heroes, as heroes reveal what people desire, fear and wish to emulate.

We study three different cultures, from ancient times to modern day, and use their fictional heroes as a lens to focus on the unique features of each people group.

The course features three major assessment tasks:

- Research Report
- Creative Digital Task
- End of unit test

Topics Covered

Ancient Greece

This unit examines the mighty heroes of ancient Greece who sought glory and wealth and examines their values and priorities.

Medieval Europe

This unit focuses on heroes like Robin Hood and King Arthur in order to understand aspects of medieval European culture.

Present Day

This unit examines the fictional heroes of today and asks the big question: what do they reveal about us?



PHILOSOPHY

Pathway Subject(s): VCE Philosophy
 Partner Subject(s): Psychology & Heroes Through History
 Costs: \$0

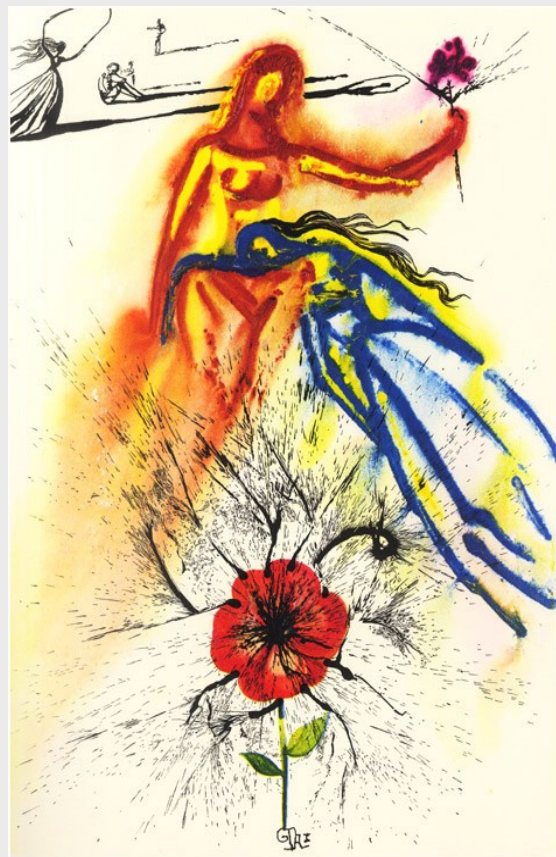
Course Outline & Assessment

This course seeks to introduce you to a new way of thinking and looking at the world. It is a subject based around questions, discussions and thinking. In Philosophy, we look at questions (and answers) around how we should live, what we can know, what is real and what is the right thing to do.

The course features three major assessment tasks:

- Short-answer study of 'The Truman Show.'
- Podcast on the ideas of a philosopher of your choice
- Written investigation into an ethical issue

Topics Covered



What is real and what can we know?

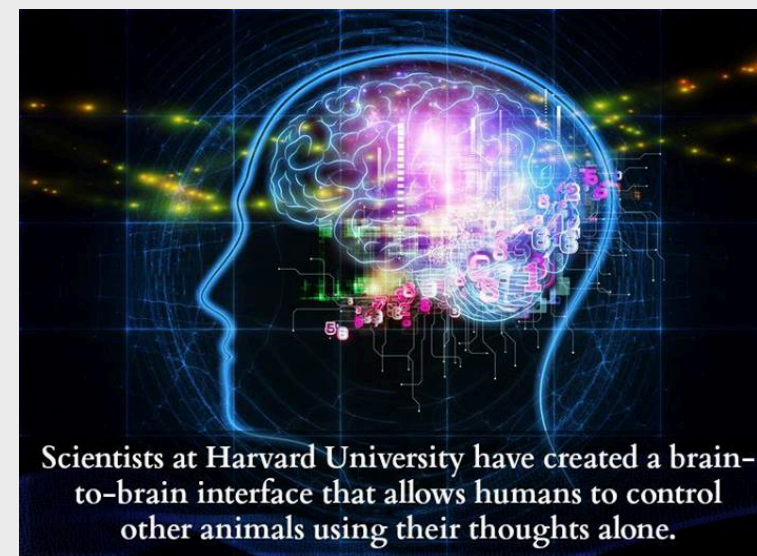
Should we trust our beliefs? Does the truth matter? Can we time travel?

What does a good life look like?

What sort of society should we live in? What drives us to behave the way we do?

What is the right thing to do?

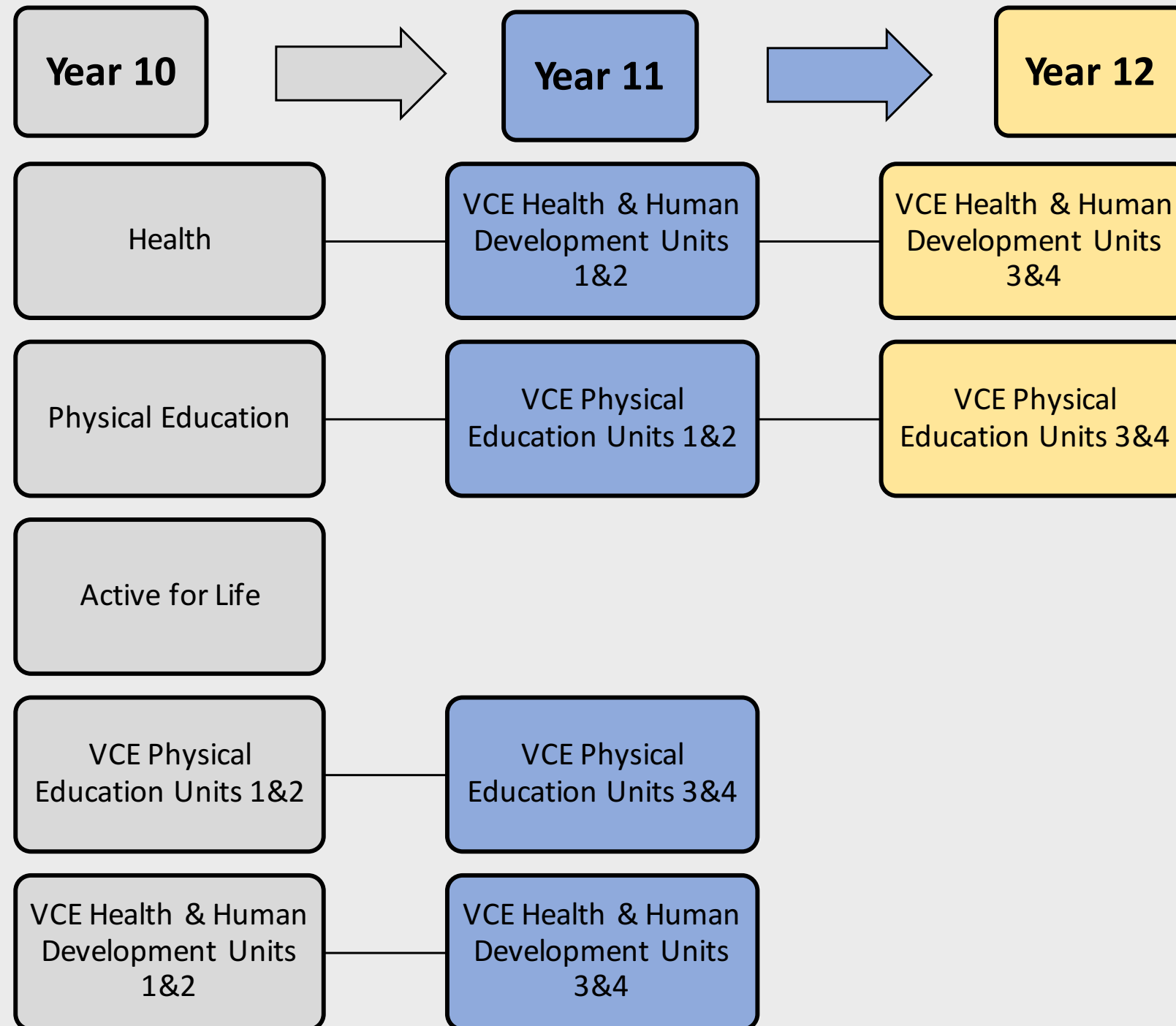
Looking at the foundations of morality and examining which 'code' is the best one to live by. The ethics of animals, war, love, fame etc.



The 21st century

What sort of world might we be living in the near future? Do we have answers to some of the key questions the future is going to pose to us?

HEALTH & PHYSICAL EDUCATION



HEALTH

Pathway Subject(s): VCE Health & Human Development
 Partner Subject(s): Physical Education, Food Technology Studies
 Costs: \$0

Course Outline

This Unit focuses on the personal and social capabilities, where students learn to develop health promoting behaviours such as safe driving. We explore factors that influence identities, relationships, decisions and behaviours. Students research and apply health information from credible sources. The focus areas include:

- Introduction to health
- Nutrition
- Mental health and wellbeing
- Respectful relationships and sexuality
- Road safety
- Drugs

Topics Covered

Introduction to Health

Dimensions of health and wellbeing, the World Health Organisation definition of health & major causes of mortality and morbidity for Australia's youth

Nutrition

Function of nutrients, 'That Sugar Film', food models such as the Australian Guide to Healthy Eating & food labelling and other factors that influence food selection



Assessment

Three areas of assessment:

Assignments contributing 50% to the overall assessment

- Media file oral presentation
- Road safety TV Ad

Tests and examinations contributing 50% to the overall assessment

- Nutrition test
- Semester examination

Class work which contributes to an overall S/N

Drugs

Legal and illegal drugs (such as ICE)

Mental health and wellbeing

Resilience, positive mental health & mood disorders

Road Safety

Road rules and safety, METEC excursion & purchasing a safe car

Respectful relationships and sexuality

66 Respectful and non-respectful relationships & sexual preferences



ACTIVE FOR LIFE

Pathway Subject(s): VCE Physical Education

Partner Subject(s): Physical Education

Costs: \$170

Course Outline & Assessment

This course involves investigating, participating in and evaluating a wide variety of recreational facilities, activities and pursuits available in the local and wider community. It has both theory and practical components and examines movement, physical activity, body systems, fitness, water safety, government guidelines and basic first aid practices.

This subject alone does not provide sufficient background information for students who intend to take VCE units in Physical Education. There is a cost of approximately \$170 per student attached to the program to cover the cost of the activities, instructors and transport.

The course is divided into three areas: Theory assessment contributes 20%, a Major Project contributes 30% and Practical assessment contributes a further 50% towards the overall grade. Theory assessment includes written tests and class work. The Major Project involves an investigation of recreational facilities and activities in your local area. The practical assessment includes participation, involvement, activity evaluation reports and skill development.

Topics Covered

Movement and Physical Activity

Students will examine why people participate in physical activity and will investigate government initiatives including the NPAG model.



Fitness Components & Training

Students will explore the different fitness components, fitness testing methods and ways to improve one's fitness.



Body Systems

Students will briefly study the skeletal system, the muscular system and the cardiovascular system.

First Aid and CPR

Students will learn basic first aid including CPR and management and treatment techniques for sporting injuries.



PHYSICAL EDUCATION

Pathway Subject(s): VCE Physical Education
 Partner Subject(s): Active for Life
 Costs: \$0

Course Outline & Assessment

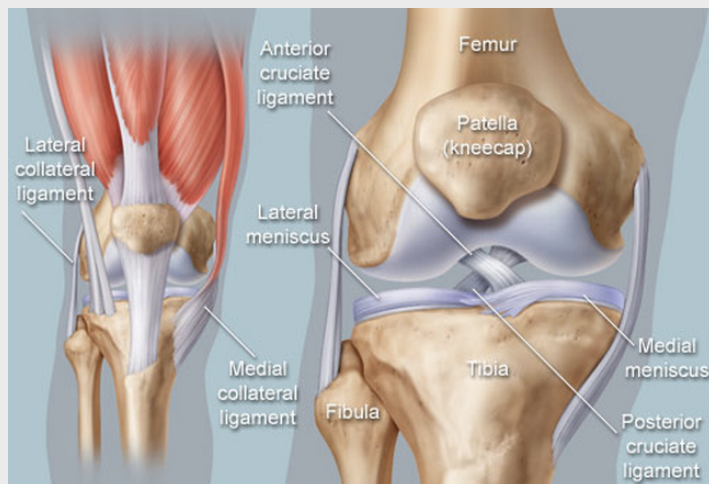
This course has strong theory and practical components and is considered to be very beneficial for students planning to study VCE units in Physical Education. It aims to develop practical and theoretical knowledge regarding movement and physical activity, how the body systems work and ways to measure and improve fitness.

The course is divided into two areas: Theory assessment contributes 75% and practical assessment contributes 25% towards the overall grade. Theory assessment include written tests, assignments and laboratory exercises. The practical assessment includes participation, skill development and gameplay.

Topics Covered

Movement & Physical Activity

Students will define skills and the importance of fundamental motor skills, explore information processing and decision making in sport, classify movement skills and investigate the stages of learning.



key features of major joints with the body.

Muscular System

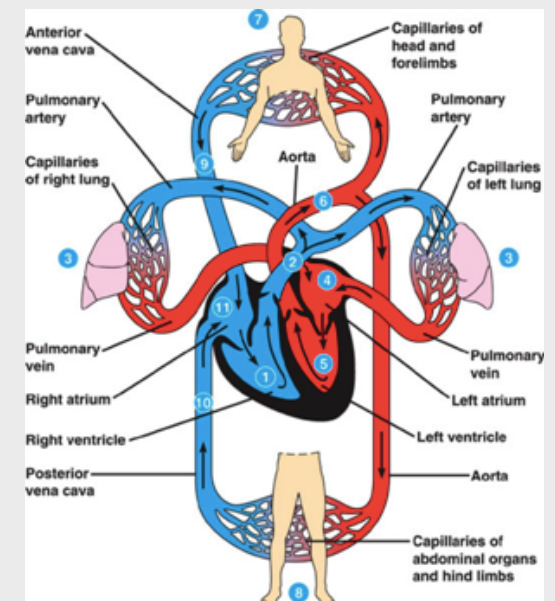
Students will identify and classify the major muscles of the body and compare the different types of muscular contractions through movement.

Skeletal System

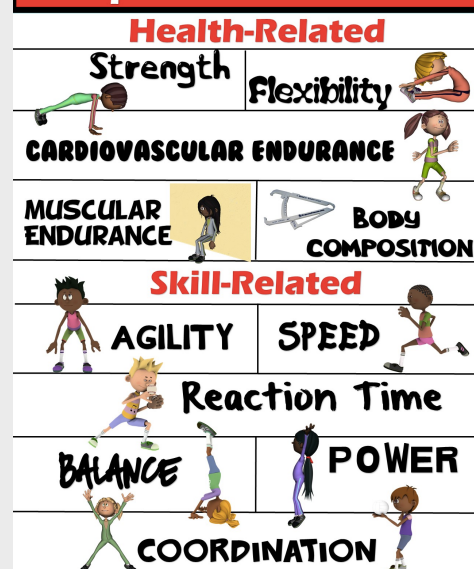
Students will identify and classify the major bones within the body, explore their functions and types of movement and analyse the

Cardiovascular System

Students will identify the key functions of the cardiovascular system, explore the anatomy of the heart, blood and blood vessels and look at the role of the cardiovascular system during exercise.



Components of Fitness

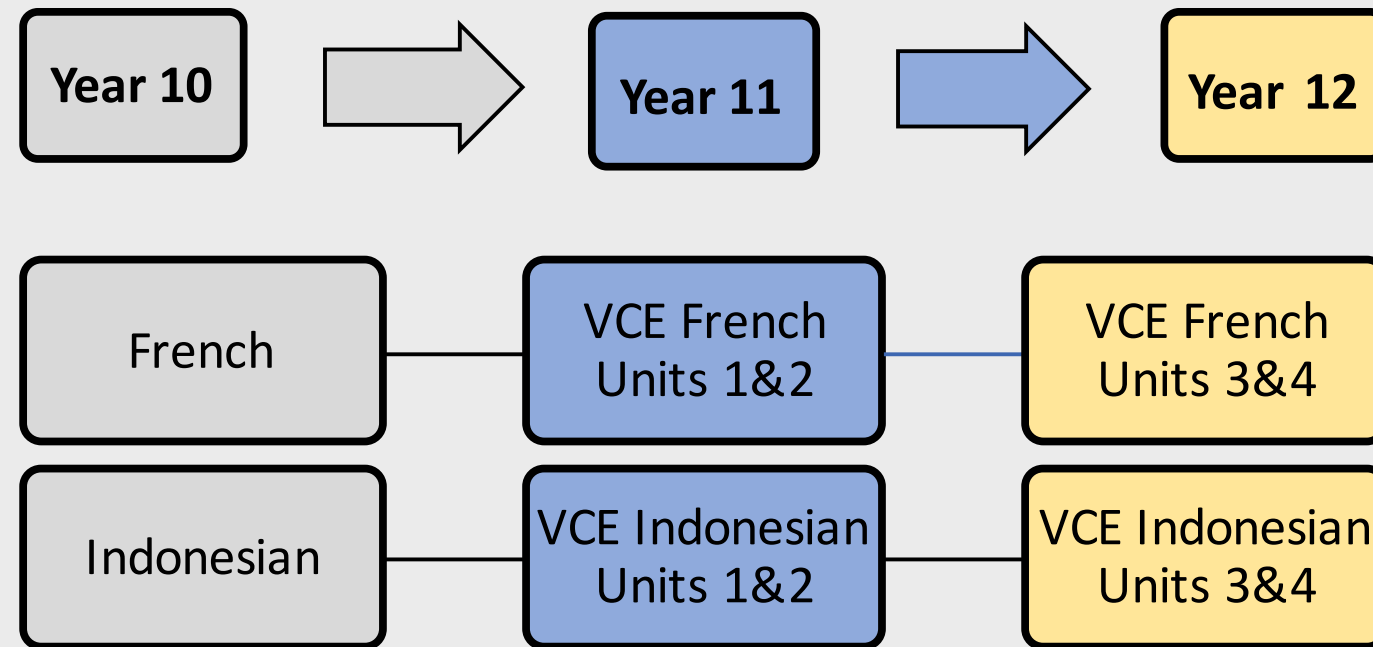


Fitness

Components & Training

Students will explore the different fitness components and training methods, understand the benefits of fitness testing and undertake their own battery of test.

LANGUAGES



FRENCH

Pathway Subject(s): VCE French
 Partner Subject(s): English Language
 Costs: \$0

Course Outline & Assessment

This Year 10 French course builds on the knowledge attained in the junior years. The course revises grammar and introduces new tenses and vocabulary as well as exploring intercultural connections. Students will be able to attend external excursions to explore the French speaking community in Melbourne. By the end of Year 10, students will have developed a rich vocabulary of the target language.

Similarly to Year 7-9 French, students are assessed on their skills in the reading and translating, writing, listening and speaking components. Students' intercultural knowledge and understanding will also be assessed throughout each semester through a variety of engaging cultural tasks which aim to discuss local and global issues in not only France but in various cultures. Each assessment is equally weighted at 20%.

Topics Covered

'Raconte-moi ton week-end!' (Tell me about your weekend)

By using past tense, students will describe the kind of activities they completed during the weekend.

'Sorties en ville' (Outings in town)

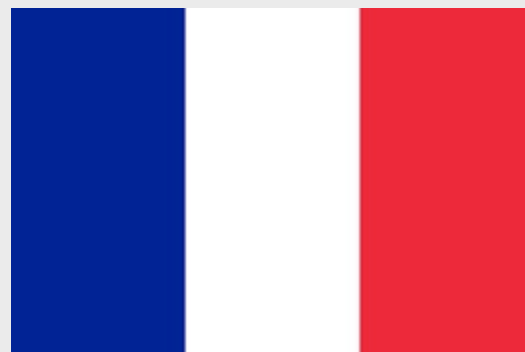
Students will learn vocabulary about places in town as well as exploring cultural similarities and differences.

'Bien manger pour bien vivre (Eat well to live well)

Students will describe their eating habits and will engage with vocabulary about nutrition.

'En pleine forme?' (In full form)

Following the previous unit, students will learn about health and will compare health issues globally.



'Autrefois' (In older days)

Students will learn how to describe historical events and changes.

'Qu'est—ce qui s'est passé?' (What happened?)

During this topic, students will describe and narrate news-worthy events.

'À la recherche du bonheur' (Pursuit of happiness)

By using future tense, students will describe their ambitions for the future and describe what they'd like to achieve to be happy in life.

'Et plus tard...?' (Future plans)

Students will engage with vocabulary about future employment and



INDONESIAN

Pathway Subject(s): VCE Indonesian
 Partner Subject(s): English Language
 Costs: \$0

Course Outline & Assessment

This course has a strong focus on grammar and vocabulary. It builds on the knowledge gained in Years 7-9 Indonesian and is typically challenging by nature. That said, learning Indonesian is also incredibly rewarding as by Year 10 students are able to communicate more and more in the target language. The course is designed to set students up for the demands of VCE Indonesian and like Year 9, students will have the opportunity to use their Indonesian language skills outside of the classroom in an authentic environment. By continuing on with their Indonesian journey at Ringwood SC, students will also give themselves the opportunity to potentially participate in a Homestay and Cultural trip to Indonesia.

The course is divided into five different topics and over each semester across each topic students will be assessed on their reading/translating, writing, listening and speaking skills. Students' intercultural knowledge and understanding will also be assessed throughout each unit through a variety of fun and engaging cultural tasks.

Topics Covered

In the City

Learn how to ask for and give directions in Indonesian and learn the vocabulary for different landmarks located in the city.



Indonesian Film and TV

Learn about Indonesian culture and teen life through film. Learn how to write and engaging and critical film review in Indonesian. Students will attend the Indonesian Film Festival as a part of this unit.

Seasons and Weather

Learn how to ask about and make comments about the weather.

The Indonesian Environment

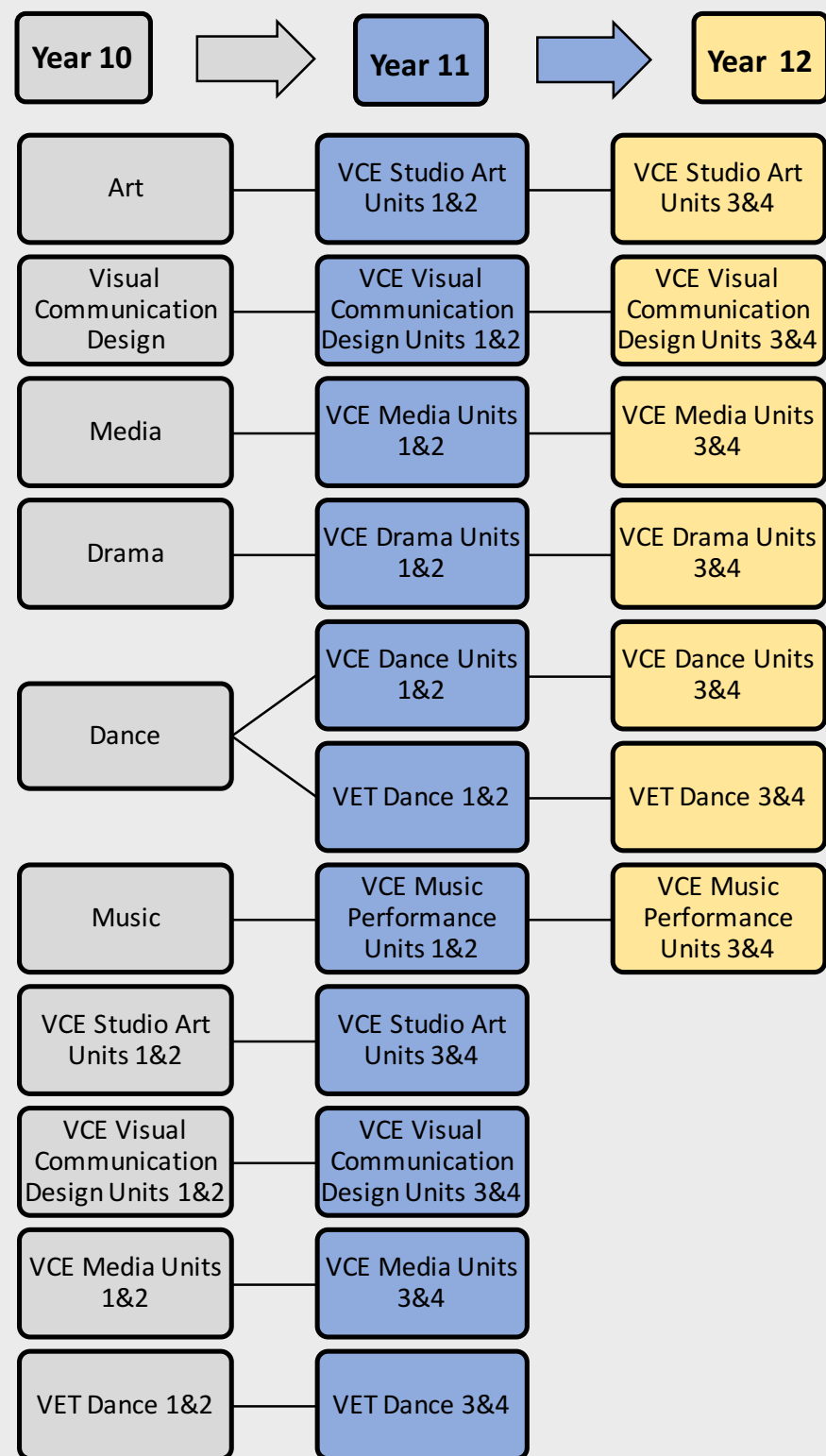
Learn about the Indonesian environment and its challenging future.

Future Aspirations

Learn how to express your future aspirations and write a resume and conduct a job interview in Indonesian!



ARTS



Course Outline & Assessment

This course encourages students to develop their skills and individual styles in a variety of mediums and artforms whilst documenting their ideas and concepts in a studio process. Students learn a range of theoretical knowledge to prepare them for VCE Studio Arts.

The course features three major assessment tasks:

- Pop Art and Appropriation task where students learn about the art movement and create a contemporary artwork using materials of their choice
- Portraiture and the Studio Process
- An analysis task which involves writing about artworks

Topics Covered

Portraiture and Studio Process

Students select someone in their life that they think is worthy of creating a portrait composition. They will document their creativity in a visual diary following the studio process whilst establishing their own style in a medium of their choice.



Art Industry

Visiting art galleries to learn about artists and their working methods.



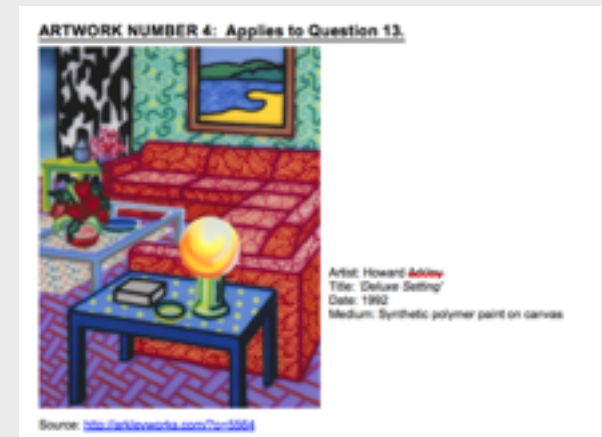
Pop Art and Appropriation

Students learn about the 'Pop Art' movement. They deliberately copy an existing artwork and combine this with popular culture to create a contemporary artwork using mediums of their choice.



Art Analysis

Students write about art by analysing artworks based on a variety of different art concepts such as elements and principles, materials, techniques and processes, visual imagery, the studio process, the art industry and influential contexts.



DANCE

Pathway Subject(s): VCE Dance

Partner Subject(s): VET Dance

Costs: \$0

Course Outline & Assessment

Dance provides students with an opportunity to develop their skills differently to what they would experience in any other classroom. Dance allows students to work together and independently in order to hone their skills in physical coordination, fitness, creativity, problem solving and kinaesthetic awareness.

In Dance, we allow students to draw upon their creative side. Students will strengthen their understanding of how to create a personalised movement vocabulary and better understand themselves as a dancer, performer and human being. Students will also strengthen their own technical ability in order to perform their own and other choreographers works to artistically portray a concept or storyline to their audience.

Topics Covered

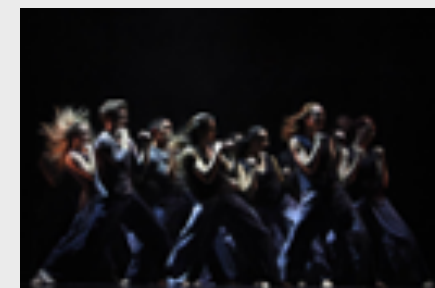
Technique

Students will develop the ability to lead a physical warm up which adheres to safe dance practices. Students will broaden their knowledge of how to look after their body as a dancer through diet, personal wellbeing and muscular control. Students will develop the ability to understand how common dance injuries occur and how to manage these effectively to best look after themselves.



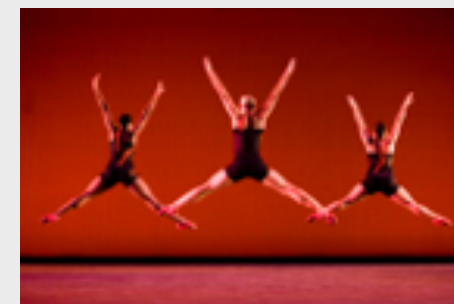
Exploration

Students will strengthen their analytical skills by applying their knowledge of dance to the written form. Students will study a combination of professional solo and group dance performances in order to evaluate how dancers are able to communicate their intention to an audience.



Choreography

Students will develop confidence in their own ability to perform and choreograph dance works. In Dance we look at a range of styles such as, Contemporary, Jazz and Hip Hop in order for students to continue developing a personalised movement vocabulary that is specific to them as a dancer. Students will learn and develop choreography that portrays an intention which allows them to manipulate their performance skills to showcase artistry.



DRAMA

Costs: \$0

Course Outline & Assessment

This course focuses on creating characters and telling stories in various ways. Students learn the skills of creating performances, becoming characters and building a relationship with an audience. The course also focuses on the technical aspects of a performance as well how to analyse professional theatre.

Topics Covered

Performance

Students develop and sustain different roles and characters to realise dramatic intentions and engage audiences. They perform devised and scripted drama in different forms, styles and performance spaces. They plan, direct, produce, rehearse and refine performances. They select and use the elements of drama, narrative and structure in directing and acting and apply stagecraft. They use performance and expressive skills to convey dramatic action and meaning.



Stage Craft

Students maintain safety in drama and in interaction with other actors and extend their exploration of ways that they and others nurture, develop and sustain drama practice.



Theatre Analysis

Students analyse the elements of drama, forms and performance styles and evaluate meaning and aesthetic effect in drama they devise, interpret, perform and view. They use experiences of drama practices from different cultures, places and times to evaluate drama. As they make and respond to drama, students explore meaning and interpretation, forms and elements and how drama can influence and challenge. They evaluate actors' success in expressing the directors' intentions and the use of expressive skills in drama they view and perform and identify characteristics of performance and theatrical styles.



Dramatic Skills

Structure drama to engage an audience through manipulation of dramatic action, forms and performance styles and by using design elements. Manipulate combinations of the elements of drama to develop and convey the physical and psychological aspects of roles and characters consistent with intentions in dramatic forms and performance styles.

MEDIA

Pathway Subject(s): VCE Media
 Partner Subject(s): Art & English Literature
 Costs: \$0

Course Outline & Assessment

The Year 10 Media course will include a mix of practical the theory based units. The media has the power to influence the way people spend their time, and the way they perceive themselves and others. It is a platform for the creation and exchange of personal, social, cultural, national and global identities. The media entertain, educate, inform and provide channels of communication.

The Year 10 Media course will include the following areas of practical and theoretical study across the semester:

- Magazines
- Film Analysis
- Short Film Production: music videos / short narrative films

For more information go to: <http://scriptclickcreate.weebly.com>

Topics Covered

Codes and Convention of film and print

Technical skills using media equipment

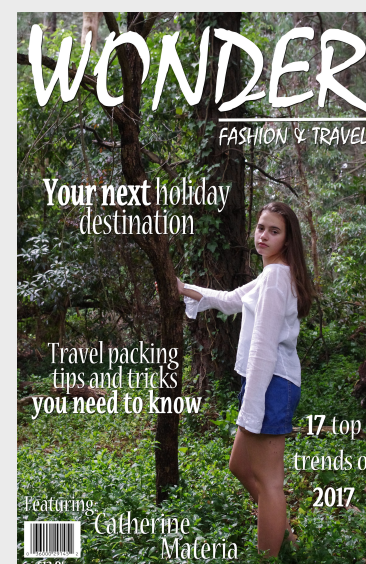
Analyse media products and concepts

Create and make media products

Explore and respond to media products



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MUSIC

Course Outline

Year 10 Music is an elective classroom music course that runs for a semester. This course has been comprehensively designed to excel students in all levels of music study, musical backgrounds and abilities. All students who love music and wish to be challenged and grown in their musical knowledge, skills and experience are strongly encouraged to elect this subject. This subject is an essential and thorough preparation for students who wish to continue studying Music at VCE level and beyond, or to support their musical interests outside of school.

Topics Covered

Performance

Students will have the opportunity to compose and perform in both solo and ensemble situations, exploring a range of compositional elements, styles and performance etiquettes. Classes cover class performances on the keyboard, guitar and voice – perfect for students who are learning an instrument for the first time or wish to refine their skills from Year 7 to 9 Music.



Musicianship

Students refine their aural skills and theoretical knowledge learnt in years 7-9. Students will take part in ear training exercises to develop their aural skills which will in turn improve their capacity as a musician.



Assignments and Music Composition Folio

Students will complete written tasks, in order to become experts on their chosen instrument/s. This includes music career pathways investigation. Students will also learn how to create a compositional folio using the latest music notation software.



Music Technology

Music technology is also explored in this course, to enhance students' compositional tasks and overall enjoyment of Music. Music Technology is utilised through IT music software such as Garage Band, Audacity and Logic, to accentuate their compositions and performances.



This course encourages students to develop their skills and knowledge through a variety of practical and theoretical tasks. Students learn technical drawing, application of materials, media and methods and the purpose of design elements and design principles. They also learn how to present visual communications in a range of formats. This course prepares students for VCE Visual Communication Design.

- House and Garden Design where students study conventions involved in creating and drawing a floor plan.
- An advertising task where students construct an advertisement to solve a defined need.
- An analysis task which involves research and writing about visual communication designs.

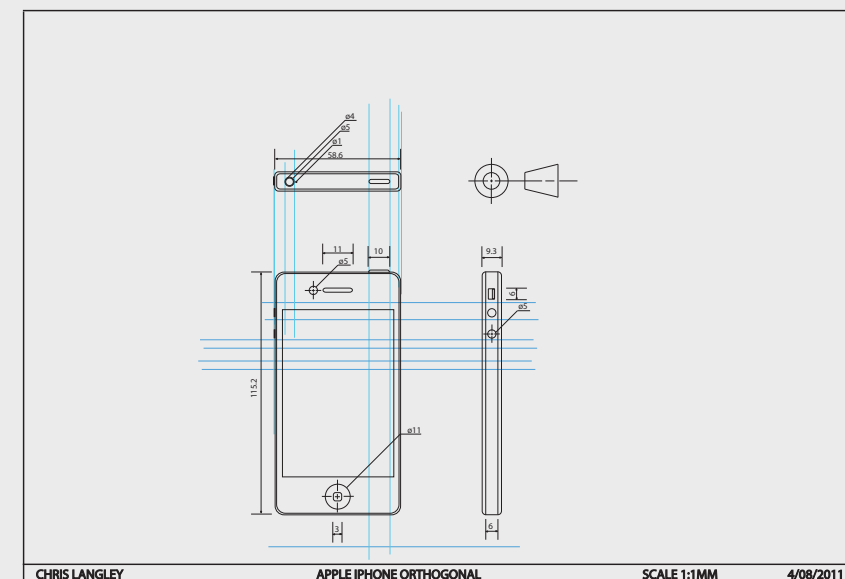
This floor plan shows a 1000 sq. ft. house with a large garage on the left side, containing two cars. A swimming pool is located adjacent to the garage. The house features a central living room with a fireplace, a dining room with a round table, and a kitchen with a breakfast bar. There are four bedrooms, including a master bedroom with a walk-in closet, and a bathroom. A laundry room and a central hallway are also present. The house is surrounded by landscaping, including trees and a lawn.

Explore, develop and present a house and garden design using appropriate conventions.

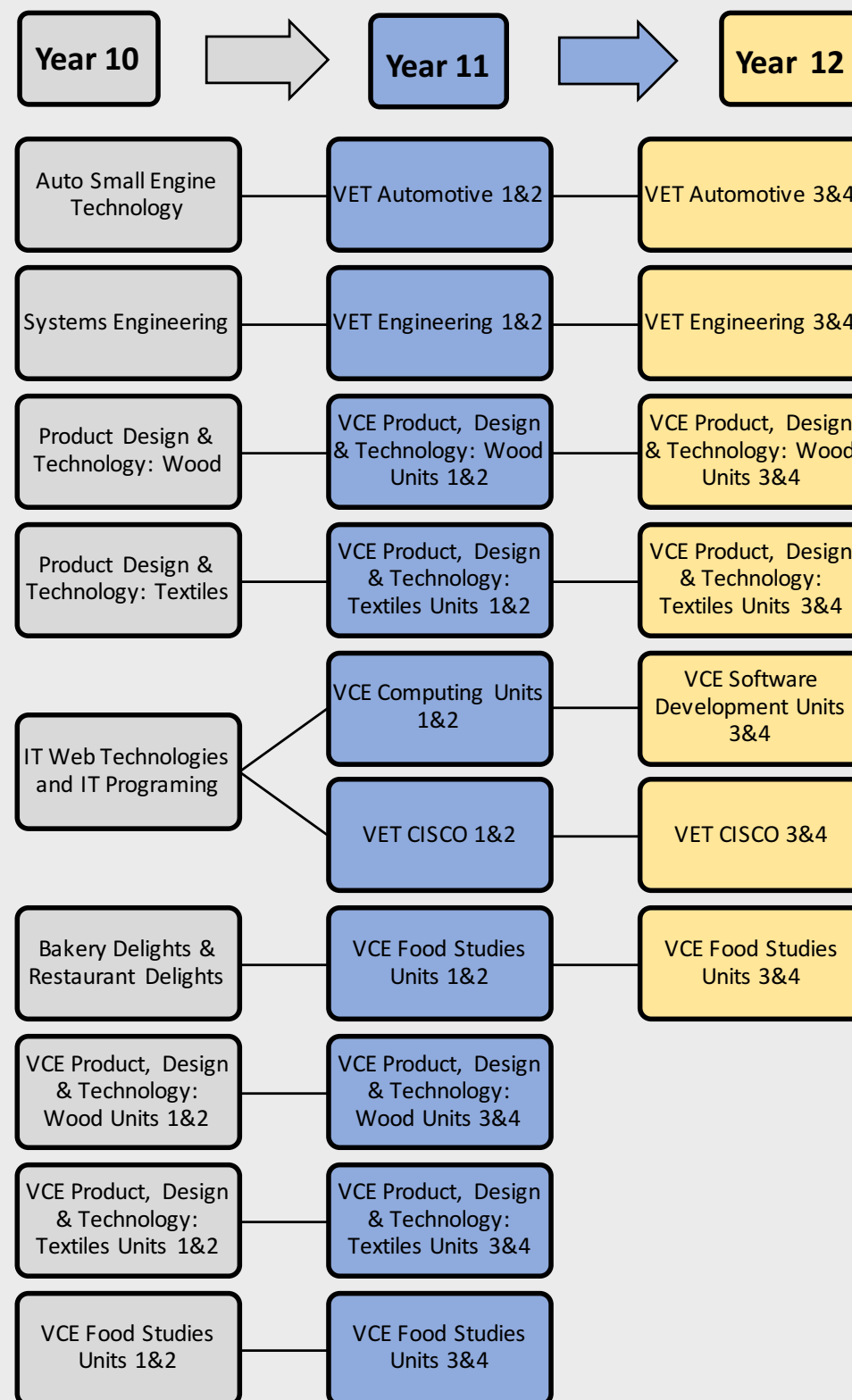
Consider the Front, Top and Side views of products using specific conventions.

Create a digital design for an existing product using programs such as Photoshop or Illustrator.

Writing about visual communication design and considering a designers target audience, purpose, use of materials, media and methods, design elements and design principles.



TECHNOLOGY



AUTO SMALL ENGINE TECHNOLOGY

Pathway Subject(s): VET Automotive
Partner Subject(s): Systems Engineering
Costs: \$0

Course Outline & Assessment

The Technology Automotive course arms students with the necessary skills to restore an engine to a healthy running state. They will be trained in the use of specialist tools and measuring equipment and will also undertake studies pertinent to full size cars, such as automotive wiring etc.

This course also provides students with the skills necessary to successfully negotiate the legal requirements around purchasing their first automobile. Students will also gain experience and an understanding of the theory behind the operation of multi-cylinder internal combustion engines.

Topics Covered

- **Internal Combustion Engine Fundamentals**

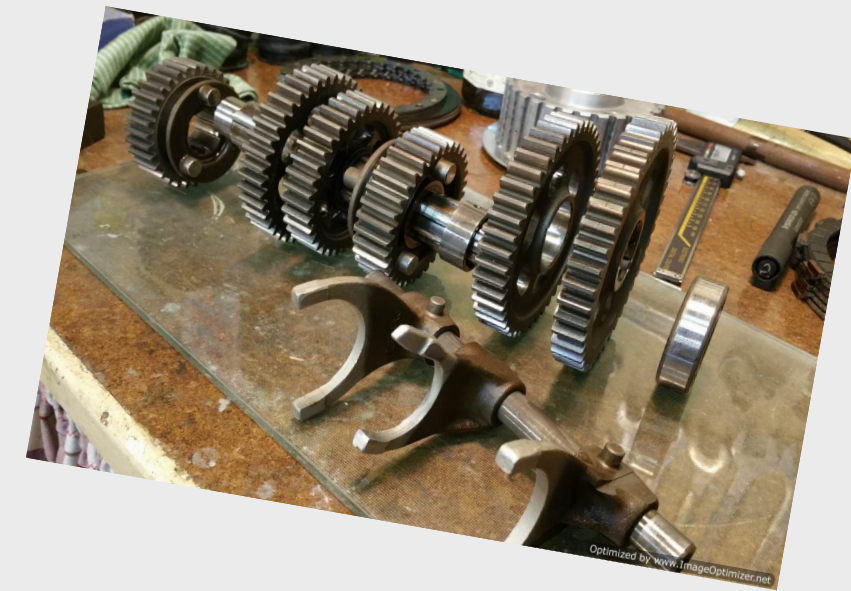
This unit introduces the basic operating principles of the internal combustion engine. From Multi-cylinder engines to the new hybrid and electric vehicles.

- **Sustainability, Cars and the Environment**

Students will study the technologies that have impacted the automotive industry, areas from the operating efficiencies of modern vehicles to their disposal.

Practical task – Recondition a Honda Engine

Students will be issued an operational small engine to disassemble. Students are required to recondition the engine to a correct running state.



BAKERY DELIGHTS

Pathway Subject(s): VCE Food Studies

Partner Subject(s): Restaurant Delights

Costs: \$85

Course Outline & Assessment

This course is comprehensive in both theoretical and practical skills. It is directed towards a variety of students - those who are considering continuing in Food Studies at VCE level, those who have an interest in food practice and theory and those who are interested in working in the hospitality industry. Whilst not compulsory, the course is recommended for students who are considering undertaking Food Studies at VCE, for those who are interested in working in the hospitality industry or those students with an interest in the pleasures of food. The course focuses on practical and theoretical study of a range of delicious savoury and sweet baked foods.

The course is divided into two areas: Theory assessment contributes 60% and practical assessment contributes 40% towards the overall grade. Theory assessment includes two design projects. The practical assessment includes independent and cooperative work skills and safety and hygiene practices.

Topics Covered

- Safe and hygienic food handling practices to prevent food spoilage and food poisoning
- The Australian Guide to Healthy Eating
- Savoury baked goods including working with yeast



- Sweet baked goods



- Presentation of food
- Research and implement solutions to design briefs
- The use of appropriate tools and equipment to produce optimum results



- Sensory evaluation on a range of food items
- Functions of natural components

IT PROGRAMMING

Pathway Subject(s): VCE IT Computing
 Partner Subject(s): IT Web Applications
 Costs: \$0

Course Outline

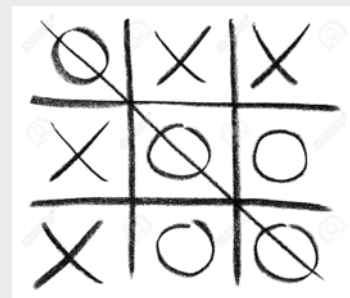
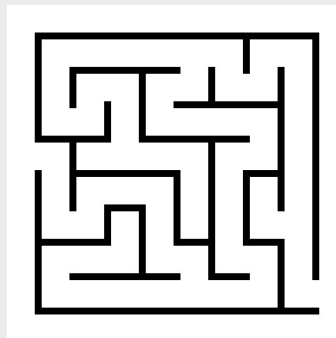
Programming gives students the opportunity to design and develop powerful stand alone applications using one of the most widely used languages in the world.

Python is an object oriented programming language that runs across all platforms. It is easy to learn and supported by wide range of resources.

Topics Covered

Algorithm Design

Using tools such as flowcharts and pseudocode to describe solutions to problems such as how to find the winning move in tictactoe, how to find a path through a maze or how to crack a cipher.



Building Digital Solutions

Build applications in Python that are modular, efficient and capable of bringing the students imaginations to the real world.

```
class Item():
    """The base class for all items"""

    def __init__(self, name, description, value):
        self.name = name
        self.description = description
        self.value = value

    def __str__(self):
        descStr = self.name + '\n====\n' + self.description
        return descStr
```

```
from Tkinter import *

def doConvertTemp(aTemp):
    fResult = aTemp * (9.0/5.0) + 32
    return fResult

def convert_handler():
    print 'Handler called'
    cTemp = float(txtCTemp.get())

    fTemp = doConvertTemp(cTemp)

    txtFTemp.delete(0,END)
    txtFTemp.insert(0,fTemp)

main = Tk()
main.geometry('400x200+100+100')
main.title('Temperature Converter v0.1')
```

- Variables, arrays and complex data structures.
- IF statements, FOR loops and other control structures to manage the flow of the application.
- Files and databases to store data.
- Design and development of student designed applications.

IT WEB TECHNOLOGIES

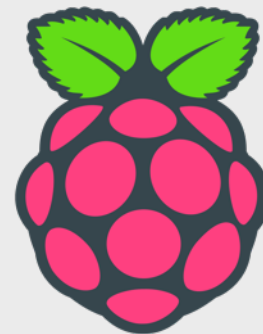
Pathway Subject(s): VCE IT Computing
Partner Subject(s): IT Programming
Costs: \$0

Course Outline

Web Technologies introduces students to a range of technologies that underpin powerful web servers.

Students learn about the LINUX operating system as the base for a web server. They will learn how to manage files, users, groups and permissions so they can customise the operating system and prepare it for the addition of the APACHE web server engine, the MARIADB database engine and the PHP server-side programming language.

The Raspberry Pi forms the base of the webserver. Students will learn how to manage this powerhouse microcomputer.



Raspbian is a powerful Linux operating system that supports the server.

Apache is the most common web server application on the internet today. Around 45% of all web sites are served by Apache servers.



MariaDB is a powerful SQL database engine that allows students to manage and serve information.

Topics Covered

- Configuration of Raspbian, Apache, MariaDB and PHP
- Creating and serving web pages
- Relational Database design and management
- Dynamic web pages and server-side scripting



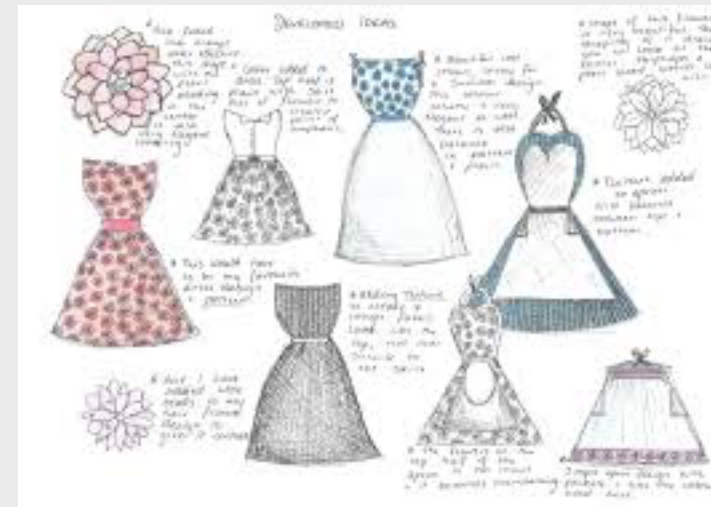
PHP is a server-side language that add enormous programmability to a website.

Course Outline & Assessment

The Textiles course at Year 10 level focuses on learning about product design. Students will learn how to develop products for a specific client and work within the constraints of a design brief. They will complete research and gather inspiration to form their own ideas and put these into practice through the development of a product.

Students learn about risk management and safety within a design setting. Students complete a folio and a final product. All practical work is based on theory and research that is developed throughout the course.

This course will prepare students to continue studying Product Design and Technology – Textiles at VCE, as well as help students to gain folio skills for future subjects studied in the Art, Design and Technology Faculty.



Topics Covered

- **Famous Fashion designers** - Research a famous designer, discover their inspirations
- **Designing** - using a teacher directed task to develop a design brief to satisfy a need.
- **Producing** - create a garment from scratch, using both hand and machine methods.
- **Evaluation**



Course Outline & Assessment

Product Design and Technology is an integral part of the total curriculum at Ringwood Secondary College. As a practical based folio subject its major emphasis is on the development of the students knowledge and skills in the elements of design, using available equipment, both hand and power. The students acquire knowledge of design, best process, tool use and affective material selection.

Skills involved in this subject are useful to students in making decisions on their career path as well as learning practical skills that can be useful in life.

Assessment will be based on the development of design folio, practical work and the completion of a evaluation of the processes used to make their chosen design.

Topics Covered**Design**

Create a design brief for a major product, taking into consideration construction methods and effective and honest use of processes and materials

**Production**

Effectively use of hand tools, machines, equipment and processes to construct a chosen design.

Evaluation

Use of Digital Technology to Evaluate the Finished Product.



RESTAURANT DELIGHTS

Pathway Subject(s): VCE Food Studies

Partner Subject(s): Bakery Delights

Costs: \$90

Course Outline & Assessment

This course is comprehensive in both theoretical and practical skills. It is directed towards A variety of students - those who are considering continuing in Food Studies at VCE level, those who have an interest in food practice and theory. Whilst not compulsory, the course is recommended for students who are considering undertaking Food Studies at VCE, for those who are interested in working in the hospitality industry or those students with an interest in the pleasures of food. The course focuses on practical and theoretical study of a range of foods that make up the courses of a menu.

The course is assessed in the following areas:

- Major projects based on the design process.
- Entertaining Design Project where students work in groups of four to plan and prepare a restaurant style meal.
- Practical assessment of each student's independent and collaborative skills.

Topics Covered

Australian Guide to Healthy Eating

Understanding the important link between food and life long positive health.



The Science of Food

Understanding the natural components of food and their impact on ingredients and consequently food.

Food Safety & Hygiene

The importance of keeping food safe to prevent contamination and illness.

Food Sustainability

Understanding the impact our food production systems have on the environment.

Presentation Styles of Food

Students learn to present food to enhance the characteristics and appeal of the food.



Influences on Food Choices

An examination of the various influences we have on our food choices- for example- culture, religion, food allergies and intolerances, vegetarianism.

Sensory Evaluation of Food

Students apply sensory terminology to the food they have produced to be able to assess the characteristics of that food.

SYSTEMS ENGINEERING

Pathway Subject(s): VCE Systems Engineering
Partner Subject(s): Product Design & Technology: Wood
Costs: \$0

Course Outline & Assessment

Materials and Systems involves the design, creation, operation and evaluation of an integrated product. It will develop the students' understanding of the systems design and manufacturing process. It will also highlight the range of factors that influence the planning, sustainable construction materials content and evaluation of the given system.

The course will provide students with the skills necessary to design and produce a mechanical and/or electronic system which will perform a function designed by the student. Continuing from earlier Materials/Technology and Digital Technology classes, Materials and Systems is considered to be beneficial for students planning to study VCE Systems Engineering in 2019.

Topics Covered

Technical drawing

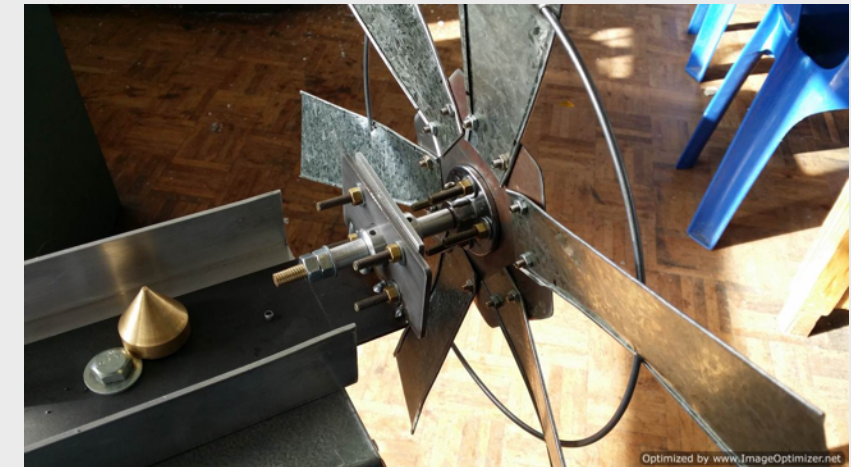
This unit will introduce correct parameters and layout of the industry standard technical diagram. Inclusions such as common measurement and symbol placement as well as isometric and orthographic presentation.

Systems Engineering

An introduction to Systems where students will study a broad range of designs from their simplest form to more advanced. Students will learn how they can effectively implement a suitable and achievable design.

Fabrication and Materials

Fabrication skills and also correct selection and use of equipment are addressed. This also includes variation of technique working with a wide selection of materials of different physical make up.



Technology and Society

How the use of technology has impacted society from its design, use and disposal. As a pre-requisite of students' final product, the inclusion of sustainable materials are an integral parameter of the design brief and submission.

Effective Portfolio Design

Students will study portfolio design and content; what is necessary to include and how to tackle a successful portfolio.



APPENDIX

Important forms to access via College website:

- Year 9 Elective Selection Planning Sheet
- Year 10 Course Selection Planning Sheet
- ‘Expression of Interest Form’ to study a VCE subject as a Year 10 student
- Sample Year 9 & 10 Selection Sheets