

**2018**

**YEAR 10 ELECTIVES**

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## ATOMS MATTER (ATM)

Have you ever wondered why buildings are made out of steel or aluminium? Why some substances react and others don't? Or why diamond is able to cut glass? Or are you considering a career involving Chemistry? Then you should check out how 'Atoms Matter'!

In this elective based unit you will learn things about the Periodic Table, altering rates of reaction, types of substances and how they react in chemical reactions. There will be many experimental investigations to complete and report about. Calculations and formulae are also important in this study and will be an integral aspect of this unit. If you've ever considered a career in any of the following: medicine, forensic chemist, pharmacy, toxicologist, textiles chemist and many more- well this subject is for you! All in all, this elective aims to prepare students with essential foundations and skills to undertake VCE Chemistry.

**LINKS TO VCE:** So now you see, Chemistry is more than just mixing products and seeing what happens. If you are planning to do VCE Chemistry, believe it or not ATOMS DO MATTER in many ways!

## APP DEVELOPMENT (BYT)

This unit introduces students to the problem solving methodology using ICT, by developing an app. Students will learn graphical softwares such as photoshop, illustrator, flash and various other app and game development softwares. Students will also be introduced to fundamentals of programming and learn a programming language. Students will work in groups on a major production in which they will come up with a concept for a app, design and develop their ideas into a working prototype.

**LINK TO VCE:** Information technology and the skills can be transferred to all subjects as they will be general computer skills required for living in the 21st century.

## CELEBRITY CHEFS (CC)

Cooking using Celebrity Chefs for inspiration! Put their ideas in action. Come cook and film your own show. You will implement your chosen menu from a celebrity chef of your choice.

**LINKS TO VCE:** Chemical and Physical properties of Food, Food Hygiene and Safety; Planning for different settings and dietary requirements; Investigating, designing, producing and evaluating and Research skills. Year 11 VET Hospitality.

## **CREATE-A-VISION “A” (CVA)**

In this unit you will investigate ideas, design and create your own project such as an ornate jewellery boxes, mirrors, book cases, chairs, cabinets...you are only limited by your imagination! You will work with a selection of materials such as wood, plastics, metals and textiles and learn a range of technical drawing and valuable tool skills. During this unit you will develop your design techniques and an understanding of the work of an industrial designer.

**LINKS TO VCE:** Problem solving and design skills developed in this unit can be widely used in a range of VCE subjects including Maths and the Sciences. The drawing and analyzing skills would be beneficial in both art and graphics. The exploration of the properties of light and energy can give practical experiences needed in the understanding of some areas of physics and science.

## **CREATE-A-VISION “B” (CVB)**

In this unit you will investigate ideas, design and create your own project such as an ornate jewellery boxes, mirrors, book cases, chairs, cabinets...you are only limited by your imagination! You will work with a selection of materials such as wood, plastics, metals and textiles and learn a range of technical drawing and valuable tool skills. During this unit you will develop your design techniques and an understanding of the work of an industrial designer. Plus this subject provides the opportunity for those students who really enjoyed the subject in Semester 1 to extend their skills by continuing with CREATE-A-VISION Part B in semester 2. This will allow these students to complete more challenging projects and allow students who only wish to do the subject for one semester to still have that option. More time can be spent on technical drawing and sketching skills and an expanded number of preliminary projects that incorporate practice of basic joinery skills and produce tools/jigs that students will then use to create other projects with, in conjunction with the tools/equipment in the technology room. Students will be scaffolded towards more challenging projects. There will also be a focus on Tool Literacy and more time to spend on design briefs and creating a problem solving mindset when designing and constructing projects in class. This ties in very well with Victorian curriculum aims for Design Technologies

**LINKS TO VCE:** Problem solving and design skills developed in this unit can be widely used in a range of VCE subjects including Maths and the Sciences. The drawing and analyzing skills would be beneficial in both art and graphics. The exploration of the properties of light and energy can give practical experiences needed in the understanding of some areas of physics and science.

## **DRAWING AND SCULPTURE (DS)**

### **DRAWING**

- Drawing styles to be covered are realistic, abstract, imaginative, intuitive and expressive. Students will use a variety of media including pencil, inks, charcoal, collage and mixed media.
- Students will also study the beginnings of drawing from a wide range of cultures, past and present.
- They will investigate and trial drawing methods by artists and reflect on their effects.
- Students will analyse artworks from the masters and look at contemporary drawing practices. They will also go on a drawing excursion.

### **SCULPTURE**

- Students will experiment with a range of different sculptural materials.
- Students will make their own sculpture.
- Students will also visit a sculptor's studio and gain a valuable insight into contemporary practices
- They will analyse a three dimensional artwork and look at past and present examples of sculpture as an artform.

**LINKS TO VCE:** Students will be able to continue with VCE Art Units 1-4.

## **ENERGY & MOTION (ENE)**

In this unit we will investigate a number of big questions regarding different forms of energy:

- How can energy be transmitted from one place to another?
- How and why is energy conserved within a system
- How can we predict the motion of objects using the laws of physics?

We will examine the way light and sound are created, transmitted and detected. Why do we love different colours? What is an X-Ray? What makes sounds of different pitch?

Why can some dogs hear some whistles we can't? Can we use sunlight to light a fire? We will compare energy changes in interactions such as car crashes, pendulums, lifting and dropping. We will gather data to analyse everyday motions produced by forces, such as measurements of distance and time, speed, force, mass and acceleration. We will recognise and apply Newton's Laws of motion to describe the effect of interactions between two objects.

**LINKS TO VCE:** Completing this elective would be very useful for those students considering VCE Physics.

## **FASHION WORKSHOP (FW)**

What is it like to be a Fashion designer, to design clothes and construct them? In our workshop you will be inspired, you will design, and you will make an item of clothing of your choice. Join this exciting class and stand apart as a designer, learn to draw, to modify patterns and develop your sewing skills in a workshop atmosphere.

**LINKS TO VCE:** Fabric testing and analysis and associated written reports. Pattern modification. Working to a design brief. Writing unit evaluations. Precision machine work and advanced processes develop a professional finish. Presentation of a creative fashion folio, will all contribute greatly to many subject areas in Year 10. This unit will do more than enhance entry into Year 11 VET and VCE Units 3 and 4: Textiles, materials, art and graphics.

## **INDONESIAN LANGUAGE & CULTURE A: SEMESTER 1 (INA)**

In this unit you will develop your knowledge of the language and culture of Indonesia. Whilst you are building on your basic knowledge of Indonesian grammar, you will also develop skills in reading, writing, listening and speaking in a fun way. You will have the opportunity to experience cultural workshops outside of school. Students must complete Semester 1 & Semester 2 Indonesian at Year 10 level to give them a good foundation for Year 11 Indonesian. In Year 11 you will then have the option of doing VCE Units 1 & 2 Indonesian. This will prepare you for Year 12 where you will complete VCE units 3 & 4 Indonesian.

**LINKS TO VCE:** VCE Units 1-4 Indonesian

## **ITALIAN LANGUAGE & CULTURE A: SEMESTER 1 (ITA)**

In this unit you will develop your knowledge of the language and culture of Italy. Whilst you are building on your basic knowledge of Italian grammar, you will also develop skills in reading, writing, listening and speaking in a fun way. You will have the opportunity to participate in the Dante Alighieri Poetry competition, which involves an excursion to Carlton. Students must complete Semester 1 & Semester 2 Italian at Year 10 level to give them a good foundation for Year 11 Italian. In Year 11 you will then have the option of doing VCE Units 1 & 2 Italian. This will prepare you for Year 12 where you will complete VCE units 3 & 4 Italian.

**LINKS TO VCE:** VCE Units 1-4 Italian

## **INDONESIAN LANGUAGE & CULTURE B: SEMESTER 2 (INB)**

In this unit you will continue to develop your knowledge of the language and culture of Indonesia. You will continue to build on your knowledge of Indonesian grammar as well as skills in reading, writing listening and speaking in a fun way. As part of your cultural studies, you will have the opportunity to participate in cultural workshops outside of school e.g. The Royal Botanical Gardens and an Indonesian restaurant. During LOTE week, we will further enhance your knowledge of Indonesian culture. Students must complete Semester 1 & Semester 2 Indonesian Year 10 level to give them a good foundation for Year 11 Indonesian. In Year 11 you will then have the option of doing VCE Units 1 & 2 Indonesian. This will prepare you for Year 12 where you will complete VCE units 3 & 4 Indonesian.

**LINKS TO VCE:** VCE Units 1-4 Indonesian

## **ITALIAN LANGUAGE & CULTURE B: SEMESTER 2 (ITB)**

In this unit you will continue to develop your knowledge of the language and culture of Italy. You will continue to build on your knowledge of Italian grammar as well as further develop your skills in reading, writing, listening and speaking. As part of your cultural studies during LOTE week you will participate in an interactive theatrical workshop and have an excursion on the theme of Italian food where you will also experience various Italian culinary treats. Students must complete Semester 1 & Semester 2 Italian at Year 10 level to give them a good foundation for Year 11 Italian. In Year 11 you will then have the option of doing VCE Units 1 & 2 Italian. This will prepare you for Year 12 where you will complete VCE Units 3 & 4 Italian.

**LINKS TO VCE:** VCE Units 1-4 Italian

## **MEDIA (MM)**

This unit introduces students to the art of filmmaking and visual storytelling, using a variety of production techniques incorporating a variety of media elements such as video, sound, text, graphical images and editing. Students will learn the fundamentals of creating a short film. Such skills involve preparing and shooting scenes, editing the shots, manipulating and editing sound files and synthesising the various elements into a final product.

**LINKS TO VCE:** Skills of continuity, consistency across sessions, ownership of equipment and outcomes, group work, transference of various skills, self discipline, self-motivation, purposefulness. Subject areas- IT, Arts, Graphics, VET IT and other subject areas.

## **MUSIC FOR TV AND FILM (MUS)**

Can you hum the saxophone solo from the Simpsons theme song? How do you know when something bad is going to happen in a horror movie???

In this elective, you will investigate how music is used to create atmosphere and drama on the screen, as well as how it contributes to the development of a storyline. Once you have an understanding of this, you will then have an opportunity to create your own soundtrack to a film or advertisement of your choice. This may even include writing and producing your own short film....!!!

**LINKS TO VCE:** This subject is suitable for students wishing to follow on with Music Performance Units 1 and 2.

## **PAINTING AND PRINTMAKING (PP)**

Students will explore the wonderful medium of paint with hands-on activities to develop skills and techniques. They will also have the opportunity to see an artist demonstrate realistic painting techniques using oil paint. They will also explore either wood block or silk screen printing methods. They will apply their designs on paper fabric.

Students will also learn about past and present painters such as Jackson Pollock, Leonardo da Vinci and Salvador Dali and contemporary Australian painters.

They will analyse, interpret and evaluate artworks from past and present cultures and complete two written tasks.

**LINKS TO VCE:** Students will be able to continue with VCE Art Units 1-4.



## **PHOTOGRAPHY AND FILM (PF)**

The word photography comes from the Greek words “lights” and “paintbrush” together meaning “drawing the light”. Photography is the process of making pictures from the action of light; light patterns, light reflected, light emitted. You can capture moments frozen in time and preserve ideas and emotions for future generations.

We will post and share our photos on FLICKR and other photography websites.

You will have the opportunity to study traditional processing methods as well as aspects unique to digital photography. Through experimentation, you will learn about focal length, types of lenses, filters, shutter speed and aperture settings. We teach the chemicals and processes used during film development, dodging, burning and paper quality. In digital photography, you will work in our wonderful Mac LAB and learn about Photoshop, resolution and desktop printing. Experimentation and innovation are encouraged of students undertaking this Photography elective. We also study past and present photographers through analysis, discussion and research. Excursion to take photos is important in this elective.

**LINKS TO VCE:** Art Units 1-4.

## **PHILOSOPHY - BRAIN GYM (PHL)**

You know that exercising is great for your body, but what about your mind? Can you make your brain fitter and healthier? Is there a mental equivalent of sit ups, push ups and Zumba? Yes there is! It’s called Philosophy!

Brain Gym will help you improve your thinking, your writing and impress yourself. By studying the basics of philosophical thinking you will be able to think more clearly, write more persuasively and reason more effectively about yourself and the world around you.

All of these skills will be beneficial in all your VCE studies and beyond.

“The brain is like a computer, but there is no computer like the brain”. - Warren McCulloch.

**LINKS TO VCE:** VCE Philosophy Units 1-4. This unit will also help you in writing particularly in VCE units like English, Literature, History, Arts analyses and Religious Educations Studies.

## **PSYCHO - DRAMA (PD)**

Want to become more confident and really understand other people?

This exciting new unit combines understandings and tasks from both Drama and Psychology. Students will explore the performance style known as “psychological realism” based on the theories of Russian theatre director Konstantin Stanislavski. This will involve workshops, rehearsals and performance of a scripted play in the style of realism or naturalism. Concurrent with this will be a small research project that shows an understanding of Psychology concepts such as:

- Sleep and dreams and how they can be used to stimulate creativity
- Emotions and Emotional Memory
- Study of Human Behaviour
- Verbal and non-verbal communication
- How the brain works
- Personality

**LINKS TO VCE:** This unit would introduce concepts explored in more depth in both VCE Psychology Units 1 & 2 and VCE Drama Units 1 & 2.

## **RACV ENERGY BREAKTHROUGH CHALLENGE AND THE ENVIRONMENT (EB)**

This elective is a combination of learning about the environment and sustainability together with preparation for a 24 hour endurance race. The practical part of this elective requires the students to work as a team and learn to ride an ergonomic bike. This includes the weekend competition in Maryborough, where they must camp and work together to succeed.

To reach this goal the students must be able to repair and maintain the bike, obtain a bike licence, which means learning the road rules, and ride in the rain and at night. They also need to prepare menus which allow for all dietary needs, design (using computer software) and organise a t-shirt, organise a fitness program, make “dilly bags”, make a video that shows the lead up to the day and prepare a presentation that will be delivered to a panel of judges. This presentation must include information on bike safety, sustainability, sponsorship and alternative energies.

During the theory lessons, the students will also learn about the environment, about sustainability and about different types of energies. This helps towards the competition but also makes them more aware of what is happening to the environment and of what is being done to prevent the environment from deteriorating. Some of the knowledge and skills, which are part of the VCE Environmental Science units, will be developed during this unit.

**LINKS TO VCE:** Problem solving and design skills in this unit can be widely used in a range of VCE subjects including Maths and the Sciences.

## **SO YOU WANT TO BE A STAR? (STA)**

Ever dreamt of being a rockstar or the next Australian Idol? Get a head start now by developing your playing and performing skills. You have the choice as to whether you perform solo or with others in the class. You can even choose what sort of music you want to work on.

This class will provide you with the opportunity to practice and develop your skills, working towards performing your songs at an end of semester concert.

Watch out Ricki Lee! Move over, Silverchair!  
Here comes.....?

**LINKS TO VCE:** This subject is suitable for students wishing to follow on with Music Performance Units 1 & 2.

## **THE UNREAL DEAL- DRAMA (UDA)**

Students will have an 'unreal' time learning about performing in an 'unrealistic or non-naturalistic' way using the theories and techniques of the following styles of theatre:

- Poor Theatre
- Epic Theatre
- Theatre of the Oppressed
- Theatre of the Cruelty

These styles offer young actors an exciting new way to perform using such conventions as transformation, elimination, forum theatre and evoking the senses. Students will apply these new techniques to creating their own performance for the Monash Schools Drama Festival. Working in groups they will devise their own play so that they may use theatre as a way of expressing their ideas to audiences beyond the school setting. While not a prerequisite for VCE Drama, the knowledge and skills learnt in this unit will be very beneficial should you choose to do Drama in Years 11 and/or 12.

**LINKS TO VCE:** VCE Drama Units 1-4, VCE Art 1-4, Technology- Textiles, English and English Literature.

## **THE UNREAL DEAL ADVANCED- DRAMA (UDB)**

Unreal Deal Advanced is an exciting practical unit that enables students to really immerse themselves into creating and performing dramatic presentations for an audience. Whether you want to prepare for VCE Drama or finish your performing arts experience with a bang, this unit is for you. At the same time, this unit will develop your confidence to act and present to an audience. It will also make you more confident, less shy individual in many wider world situations.

Students will create, perform and use stagecraft such as lighting, sounds, multimedia, makeup, and costume to present for an audience. Students will delve deeper into performance styles such as:

- Theatre of the Absurd
- Kabuki and Noh theatre
- Physical theatre
- Elizabeth theatre
- Commedia Dell'arte

The semester will involve performing both inside and outside the College, viewing professional performances and specializing in stagecraft areas of their choice. The “performance project” will involve the use of non-naturalism and scripted works. Students are encouraged to do this unit as an extension of Unreal Deal but can also do it as a unit on its own. While it is not a prerequisite for VCE Drama, the knowledge and skills learnt in this unit will be very beneficial should you choose to do Drama in Yr 11 and/or 12.

**LINKS TO VCE:** Units 1-4 Drama, VCE units 1-4 in Art, Technology, English and English Literature.

## **VISUAL COMMUNICATION & DESIGN - GRAPHIC DESIGN (Semester 1 or 2) (VCA)**

Would you like to experience being a Graphic Designer? In this unit you will look at advertising in society today through branding with the use of logos. You will design your own logo and advertisement using the ‘Design Process’ and apply your logo to a range of products to create a corporate identity for your brand. You will learn Adobe Illustrator and Photoshop.

This unit will include a related incursion/excursion

**LINKS TO VCE:** Visual Communications & Design Units 1-4.

## **VISUAL COMMUNICATION & DESIGN - ARCHITECTURE (Semester 1 or 2) (VCB)**

Would you like to experience being an Architect? In this unit you will design your own building using the 'Design Process' used by Architects. You will learn the computer software program 'Sketchup' to present your final design. You will also learn 3D model making to create a real 3D architectural model of your building.

This unit will include a related incursion/excursion

**LINKS TO VCE:** Visual Communication & Design Units 1-4

## **WHO DONE IT?? THINK I LOOK LIKE.... (WHO)**

In this unit during the first term of your studies you will firstly concentrate and learn all about Deoxyribonucleic acid (DNA). Why is this molecule so special? Who has it? Where is it found? What does it do? How does it replicate? What happens if things go wrong? What information can family pedigrees tell us? All this is what the study of genetics is all about. The second term of this elective focuses on what information we can get from DNA in order to solve a crime. Other crime scene applications will be explored such as: fingerprinting, hair and fibre analysis, blood analysis as well as chromatography. This elective will expose you to many hands-on practical tasks, which will complement the theory taught, to ensure that you are given the foundations to VCE Biology.

If you are dedicated, hardworking and up for a challenge- then this is the right subject for you!

**LINKS TO VCE:** Skills of observing, recording and analyzing data as well as experimental technique will be used, which then lead on to formal report writing which is a prerequisite in the subject areas of Biology, Chemistry, Physics, Psychology and Mathematical analysis tasks. Technological tools such as computers, data loggers and other scientific equipment which play a major assessment role in VCE studies, will also be utilized.

## **YR 11 VET HOSPITALITY (OPERATIONS) Unit 1 & 2.. Compulsory to do BOTH units 1 and 2 (HOS A & HOS B)**

In the first unit (Semester 1) students will explore safe work practices, kitchen hygiene, hospitality industry information and prepare simple dishes. This leads onto Unit 2 in Semester 2.

In Semester 1 students will familiarise themselves with food preparation equipment, working effectively with others and cooking dishes.

To successfully complete the VET which may count towards your VCE students must achieve competency in both units.

**LINKS TO VCE:** Chemical and Physical properties of Food; Food Hygiene and Safety; Planning for different settings and dietary requirements & Investigating.