

YEAR 9 ELECTIVE BOOKLET



2019

Table Of Contents

Year 9 Elective Program	iii
Year 9 Art	iv
Year 9 Ceramics	iv
Year 9 Dance	1
Year 9 Drama	1
Year 9 Drawing	2
Year 9 Media	2
Year 9 Music	3
Year 9 Sculpture	3
Year 9 Photography	4
Year 9 Painting	4
Year 9 An Introduction to Literature	5
Year 9 Preparing for the Workplace	5
Year 9 Eco. Warriors	6
Year 9 Making History	6
Year 9 The Pacific	7
Year 9 History Mysteries, Fact Vs Opinion	7
Year 9 Outdoor Adventures	9
Year 9 Fun through Fitness	9
Year 9 Get on Your Bike	10
Year 9 Forensics	11
Year 9 Lego Robotics & Mechatronics	11
Year 9 CAD CAM	12
Year 9 Creative Plastic - Clocks	12
Year 9 Design & Create Outdoor Living	13
Year 9 Digital Technology	13
Year 9 Fabric & Fashion	14
Year 9 Good Food Fast	14
Year 9 Horticulture & Sustainability	15
Year 9 Karts	15
Year 9 Metal	16
Year 9 Patchwork	16
Year 9 Ready Steady Cook	17
Year 9 Furniture Making	17
Year 9 - Elective Selections 2019	18

Year 9 Elective Program

St. Mary of the Angels is pleased to present the Year 9 Elective booklet. This booklet contains descriptions of the exciting, challenging and many and varied elective studies offered to our students.

Students in Year 9 complete three electives per semester. Each elective runs for three periods per week and for six months in duration.

Students are not permitted to select or study an elective that they have studied in Year 8.

Selecting Units

When students are selecting electives they should read the unit description carefully, talk to their teachers, other students and parents.

They also need to think about:

- What they enjoy doing
- Consider what options they would like to explore to develop future interests and skills.

Students at this level are encouraged to treat these electives as a way of trying out different offerings with the aim of:

- Expanding knowledge
- Exploring what may lead to future interests and pathways
- Moving out of their comfort zone

There are many advantages at this stage of learning to encourage the exploration of a breadth of studies.

This means trying out subjects from a range of different key learning areas. Some of these benefits include:

- Developing a full capacity for different types of thinking and learning
- A chance to develop a broader range of skills and experience
- An opportunity to discover hidden talents
- Developing an appreciation for a wide variety of subject areas and what is required
- Expanding academic horizons
- Enhancing flexibility to take on the many challenges of the 21st Century global environment
- Extending and supporting existing and future passions

Timeline

All students are asked to return the completed form by Friday **9th November, 2018**

Students and families should be aware that subject selection returns that are late, incomplete or incorrectly filled in may not be considered when subject blockings are formulated.

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Year 9 Art

Course Description

In this unit students will explore a variety of artists in the context of their times and their art movement, leading to the production of the students' own works. Ideas, opinions and a variety of media will be experienced, including painting, pastel, charcoal, printmaking, graphites and potentially some 3Dimensional media. Students will also research the artists studied and discuss as well as present analytical written work focusing on the artists' approach and artwork.

Links, Learning & Pathways

Links to Vic Curriculum; Arts level 9

Links to VCE; Art, Studio Arts, Visual Communication and Design

Vocational Pathways

Web designer, Teacher- Primary or Secondary, Stage designer, Artist, Jeweller, Sign Writer, Advertising, Beauty Therapist, Wood Turner, Town Planner, Vehicle Painter, Fashion Coordinator, Costume Maker, Cartoonist, Photographer, Desktop Publisher, Occupational Therapist, Offset Printer, Picture Framer, Interior Designer.

Personal enrichment

Artistic outlet, improve skills and knowledge about art and techniques, being creative and exploring different ideas.

Year 9 Ceramics

Course Description

This subject will enable students to explore and develop their skills and creativity in clay: constructing, firing and decorating functional and non-functional artworks will be the focus. They will develop competence in their technical understanding and manipulation of ceramic materials. Students will work through a series of projects and tasks during the semester.

Links, Learning & Pathways

Links to Vic Curriculum; Arts level 9

Links to VCE; Art, Studio Arts

Vocational Pathways

Careers in Ceramics, Cake Decoration, Craftsperson, Wall Tiler, Teacher - Primary or Secondary, Potter, Glass Craftsperson

Personal enrichment

Artistic outlet, improve skills and knowledge about ceramics and techniques, being creative and exploring different ideas.

Year 9 Dance

Course Description:

Students explore personal movement style by combining elements of dance and using improvisation and safe dance practice to develop new movement possibilities. They also practise and refine technical and expressive skills to develop proficiency in genre and style-specific techniques and perform dances using these techniques. Students also analyse a range of dance from contemporary and past times, including dance of Aboriginal and Torres Strait Islander peoples, to explore differing viewpoints.

Links, Learning & Pathways

- Develop skills in dance performance and creative thinking
- Learn to be an effective member of a group during rehearsals
- Develop rhythm and movement skills through dance
- Learn dance theory
- Recommended for school production
- Links to Victorian Curriculum Year 9/10 Achievement Standards for Dance

Year 9 Drama

Course Description

The study of Drama focuses on the creation and performance of characters and stories. Students draw on a range of play-making techniques to develop and present their work. Students also respond and explore stimulus material. Students explore conventions of Epic Theatre, Poor Theatre, and the Theatre of Cruelty to present devised work. Students combine these skills to create an ensemble and solo performance. Students will create characters through the development of expressive skills.

Links, Learning & Pathways

- This elective is not just for those who enjoy acting. It is also for those who enjoy creating things and watching ideas come to life on stage. Those interested in theatre technologies may also be inspired.
- Learning to be an effective member of a group during rehearsals and interacting in a constructive manner with others to achieve a desired goal is an important skill that is transferable to many situations.
- Students who are considering a pathway in any of the Arts areas may find this subject beneficial.
- Direct link to VCE Drama

Year 9 Drawing

Course Description

In this subject students will develop their own skills, while exploring techniques and application through drawing media. Much of the focus will be on the actual drawing of various subject-matter, as well as exploring artists' techniques through history.

Links, Learning & Pathways

Links to Vic Curriculum; Arts level 9

Links to VCE; Art, Studio Arts, Visual Communication and Design

Vocational Pathways

Animator, Architect, Teacher- Primary or Secondary, Draftsperson, Stage Designer, Artist, Jeweller, Sign Writer, Engraver, Beauty Therapist, Cartographer, Wood Turner, Town Planner, Vehicle Painter, Fashion Coordinator, Costume Maker, Cartoonist, Photographer, Desktop Publisher, Occupational Therapist, Picture Framer, Web designer

Personal enrichment

Artistic outlet, improve skills and knowledge about art and drawing, being creative and exploring different ideas.

Special Requirements

The costs and materials are covered by the school. A5 or similar homework sketchbook to be supplied by the student.

Year 9 Media

Course Description

Students who choose this course will learn about cinematographic techniques, how movies are created, and how trailers are used to influence sales. Students will explore contemporary Hollywood practice through the analysing of film productions. There will be an opportunity to create media products, using the knowledge of cinematography and sales as an informative foundation. Students will complete both written and practical tasks within class.

Links, Learning & Pathways

- Links to Vic Curriculum ; Media Arts, English
- VCE: Media, Studio Arts, Arts, Drama

Vocational Pathways

Cinematographer, director, actor, media personality, multi media developer, film and television, scriptwriting, government, sales representative, radio, presenter, SFX designer, arts designer, teacher.

Year 9 Music

Course Description

Students engage in a variety of music making activities, developing performance skills in groups and as a soloist. Students select an instrument of focus (including voice) and rehearse, improvise, create and perform music for different audiences. Students analyse music from contemporary and historical contexts including that of Aboriginal and Torres Strait Islanders.

Students will use music technology and notation to compose music and write song lyrics with the potential to record in a studio for the Kool Skools program.

Students will evaluate the use of music elements and characteristics from different music styles.

Links, Learning & Pathways

- Develop skills in music performance and creative thinking
- Develop musicianship and expressive skills
- Develop music theory knowledge and song writing
- Recommended for school band and vocal ensemble members
- Links to Victorian Curriculum Year 9/10 Achievement Standards for Music

Year 9 Sculpture

Course Description

In this elective students will have the opportunity to explore a variety of media from the following: clay, paper mache, modroc/plaster in combination with other sculptural materials. Students will also experience and appreciate practicing artists' methods of application and procedures in order to develop their own ideas and completed pieces.

Links, Learning & Pathways

Links to Vic Curriculum; Arts 9

Links to VCE; Art, Studio Arts,

Vocational Pathways

Cake Decorator, Teacher- Primary or Secondary, Sculptor, Costume Maker, Occupational Therapist, Picture Framer, Town Planner, Museum Curator, Toy Maker, Model Maker, Art Gallery Technician, Florist, Craft Instructor, Theatrical Set Constructor.

Personal enrichment

Artistic outlet, improve skills and knowledge about art and techniques, being creative and exploring different ideas.

Year 9 Photography

Course Description

Students who choose this course, will be able to explore photography as a means to express themselves. Subjects and themes may include everyday life, sports, holidays, still life and community. Students will also be able to explore how to use and present their photos through various mediums i.e. cards, books, gifts, iMovie, collage etc. Assessment will be based on the images produced and the manner in which they are presented.

Links, Learning & Pathways

Links to Vic Curriculum; Arts level 9

VCE: Art, Studio Art, Media, VCD

Vocational Pathways

Photojournalism, commercial photographer, portrait photographer, sports photographer, graphic designer, advertiser, Multi Media Developer, Museum Curator.

Year 9 Painting

Course Description

In this elective, students will have the opportunity to explore a variety of media to produce painted works that relate to developing their skills and knowledge of techniques. Through exploration of painters from history and contemporary settings, students will produce paintings that relate to themes and concepts. A focus on planning and developmental techniques, as well as some analytical written work will be included in the study.

Links, Learning & Pathways

- Links to Vic Curriculum: Arts level 9
- Links to VCE: Art, Studio Arts.

Vocational Pathways:

Teacher – Primary or Secondary, Artist, Interior Decorator, Stage Design, Theatrical Set Constructor, Animator, Painter and Decorator, Conservator, Cultural Heritage Officer, Valuer, Textile Designer, Illustrator, Body Artist, Florist, Sign Maker, Screen Printer/Stencil Preparer.

Year 9 An Introduction to Literature

Course Description

The Literature course is designed for students who have a passion for literature and enjoy probing deeply into the complex nature of humans and their relations with others, and the places and times they inhabit. The study of literature aims to involve students in reading, writing and talking about the nature and value of a wide range of literature. It is designed to enable students to develop the following:

- develop an enjoyment of literature through reading widely, imaginatively, critically and independently;
- gain an understanding of the variety of human experience;
- develop a critical awareness of cultures past and present, as they are represented in literature;
- read closely and engage in detailed critical analysis of the key literary features;
- develop interpretive skills by hypothesising about and drawing inferences from texts;
- extend their understanding of the different ways literary texts are constructed;
- reflect on their interpretations and evaluate others' interpretations;
- develop the capacity to write confident analytical and creative responses to texts.

Links, Learning & Pathways

This subject is recommended for students interested in studying Literature at a VCE level. Students will read and study a range of different text types from plays, to prose, to short stories, and film.

Year 9 Preparing for the Workplace

Course Description

Towards the end of Year 9 many students start to think about getting a part-time job. It can also be a time of uncertainty as selections need to be made in relation to pathways into the senior school and beyond. The aim of this elective is to assist students to prepare for this transition by providing them with practical skills that will help them explore different pathways that lead to a greater understanding of workplace requirements and protocols.

Links, Learning & Pathways

- Investigating your own abilities and how these can match up with potential future professions.
- Understanding how to promote yourself.
- Learning about expectations of employers and workplace responsibilities.
- Exploring the various pathways that can get you to where you want to be.

Year 9 Eco. Warriors

Course Description:

The statistics can be scary:

- People dump carbon dioxide into the environment at 1,000 tons per second.
- By 2050, 15 to 37% of our plant and animal species could be wiped out.
- 400,000 square miles of Arctic Sea have already melted due to global warming.
- In Australia the average household wastes \$1,500 worth of food a year.

But don't be overwhelmed. What can you do to help slow down or even prevent this potential world catastrophe? Does your one little bag of recycling make a difference when the dump truck goes by full of waste? Investigate the truth about global issues like climate change and greenhouse gases. Learn about the challenges we face and, best of all, explore some simple strategies that can be implemented by you to make a difference. Follow in the footsteps of St. Francis and become stewards of our domain.

"It's better to light one candle than curse the darkness." Extinction is an enormous problem

Links, Learning & Pathways

- Students who are considering a pathway or further studies in History or Geography may find this elective beneficial and/or complimentary.
- Consolidates core curriculum from Year 9 History and Geography.
- Provides introductory extension studies in skills and concepts vital for VCE History and Geography.

Year 9 Making History

Course Description:

Making History will take you on a journey of exploration where the investigation of mystery objects will lead you in all kinds of unexpected directions. For the first part of this unit you are presented with a range of objects like photographs, war memorabilia and everyday objects. Through the development of inquiry questions, to lead research, you will then try to unravel the story behind the object. What will you find?

For the remainder of the unit you will be guided by Museum's Victoria's wonderful initiative 'Making History' whereby you can bring in your own objects (or borrow one from the college's collection) or select a person to research with the end product being a 3 minute digital presentation. You will be led through all the relevant steps from choosing a theme, research, creating storyboards and editing your finished presentation.

Skill Focus: Inquiry & Project Based Learning, Research Skills.

Links, Learning & Pathways

What will you gain from studying History? A love of History that you will draw upon for the rest of your life, whether it be because you travel the world or want to have an understanding of your place in the bigger picture. You'll develop critical thinking skills that will help you in the senior school and can be used in any occupation including analytical thinking, problem solving, decision making, oral and written communication skills.

Future career paths, that have History at its core, include being a lawyer, archivist, criminologist, writer, journalist, historian, curator, soldier, travel consultant, diplomat, archaeologist and many more.

Year 9 The Pacific

Course Description:

This elective is a multi-disciplinary unit meaning that it includes elements from all four strands of the Humanities: History, Geography, Economics & Business and Civics & Citizenship. Using the Pacific Ocean as a guide students will explore early Polynesian migration and their mighty feats of navigation. Chronologically students will then investigate the early European voyages of the Pacific using the documentary 'The Pacific in the Wake of Captain Cook' as a guide. Learn about Cook's epic voyages of discovery. Investigate what happened when diverse cultures came in contact with each other, and why these voyages are controversial now, even though 250 years have passed. In addition students will also focus on the islands of the Pacific today exploring the many challenges they face from increased volcanic activity, rising sea levels, the impact of tourism, uncertain economies and the constant need to preserve and maintain unique cultures.

Skill Focus: Claims Testing (Is something true or not?) and Critical Thinking Skills

Links, Learning & Pathways

What will you gain from studying the Humanities? A love of exploring what shapes the world around us that you will draw upon for the rest of your life, whether it be because you travel the world or want to have an understanding of your place in the bigger picture. You'll develop critical thinking skills that will help you in the senior school and can be used in any occupation including analytical thinking, problem solving, decision making, oral and written communication skills. Future career paths, that have the Humanities at its core, include being a lawyer, marine biologist, navigator, travel writer, journalist, historian, economist, cartographer, tourism, diplomat, archaeologist and many more.

Year 9 History Mysteries, Fact Vs Opinion

Course Description:

There are many unanswered questions and topics, from history, where public opinion is divided. For example:

- Was baby Azaria Chamberlain taken by a dingo at Uluru?
- What was the true identity of Jack the Ripper?
- Does the Loch Ness Monster really exist?
- Why was Stonehenge built?
- Is the 'Shroud of Turin' real?
- Did Richard III really murder the princes in the Tower of London?
- Who killed JFK?

By carefully examining existing evidence students will consider both sides of the story and try to draw conclusions about these mysteries proving that Historians are very similar to detectives. Students develop the skill of being able to claims test to help recognise if a source is one-sided or accurate.

Skill Focus: Claims testing and Building an Argument

Links, Learning & Pathways

What will you gain from studying History? A love of History that you will draw upon for the rest of your life, whether it be because you travel the world or want to have an understanding of your place in the bigger picture. You'll develop critical thinking skills that will help you in the senior school and can be used in any occupation including analytical thinking, problem solving, decision making, oral and written communication skills. Future career paths, that have History at its core, include being a lawyer, archivist, criminologist, writer, journalist, historian, curator, soldier, travel consultant, archaeologist and many more.

Year 9 Chinese

Course Description

Today China is becoming our most important trading partner and is growing as a world power. But in the past, China was also a world power and often led the way in technological advancements and cultural achievements. It is a complex and vast country, full of geographical wonders, and rich cultural treasures like the Forbidden City in Beijing, the largest palace in the world.

Students will explore the world of Chinese language and culture. Learn how to have a simple conversation speaking Chinese, discover the art of Chinese writing and calligraphy, build a model of the Great Wall of China, and come to understand some of the mystery and wonder that is China!

Links, Learning and Pathways

International travel, careers in business, tourism and hospitality.

Studying a language at VCE level attracts up scaling of a maximum of 5 points. This is added to the VTAC score for that subject.

Year 9 Italian

Course Description

Have you ever wanted to travel to Italy? This elective enables students to provide details for accommodation, interpret timetables, book a train ticket, ask for and interpret directions, use telephone manners, ask how much something costs and seek a discount.

Later topics will include expressing health concerns in a medical clinic and expressing preferences for colour and size in a clothing store. All topics will focus on communicative dialogue, reading for meaning and writing simple information in a travel setting.

Links, Learning & Pathways

- International travel, careers in hospitality and tourism benefit from a second language.
- Studying a language at VCE level attracts up scaling of a maximum of 5 points. This is added to the VTAC score for that subject.

Special Requirements

A Cultural Excursion to an Italian Bocce Club may be included.

Year 9 Outdoor Adventures

Course Description

This elective is an introduction to Outdoor Education and what to expect if students choose to go down that path. The subject will incorporate different aspects of outdoor education and also have some focus on growth through challenge. The class will allow students to develop their sense of adventure and enjoyment for being outdoors. Students will learn about the diversity of outdoor environments and activities and understand the importance of caring for the natural environment. Students will have the opportunity to develop their personal skills, along with further development in teamwork and problem solving. Students who select this subject would benefit from an interest in the outdoors and challenging themselves.

Please Note: This is not a PE subject, and does not involve playing games and sport

Links, Learning & Pathways

Problem Solving, Outdoor Survival Skills, Teamwork and leadership skills and Understanding Natural Environments

There are many possible pathways for VCE or VET such as Outdoor Education and Sport and Recreation Certificates. Career paths could be; Park Ranger, Camp Coordinators, Recreation instructor, Teacher, Tourism/Adventure.

Special Requirements

Students are expected to attend a 3-day Challenge Camp at Anglesea. Activities include surfing, abseiling, vertical challenges, initiative games, flying fox, hiking and more. **This elective will cost an additional approximately \$200 to cover camp costs.**

Year 9 Fun through Fitness

Course Description

Physical and mental fitness plays a critical role in the enjoyment of activities, sport, and recreation that students participate in. This elective focuses on physical fitness and different ways to make participation fun and enjoyable. The elective looks at different training methods and extending each student to reach their full potential. Practical classes move away from traditional ball sports as ways of getting active and staying fit for life.

Links, Learning & Pathways

Students will:

- develop their understanding of the physical, mental, social and emotional benefits of participation in physical activity, and examine factors which influence such participation.
- explore ways to measure their own fitness and physical activity levels.
- explore the relationship between physical activity and nutrition
- investigate and address positive and negative motivational factors that influence the value they place on participating in physical activity.
- may be introduced to new sports, games or activities
- investigate different components of fitness, how these vary between activities and how they contribute to the wellbeing of people at different stages of their lives.
- investigate community facilities available for health and physical fitness activities, engaging in a variety of recreational and outdoor adventure activities, and develop skills, knowledge and behaviours for enhancing safe participation in these activities.

Special Requirements: P.E Uniform, Runners

Year 9 Get on Your Bike

Course Description

Bike riding is excellent for aerobic and anaerobic fitness. This elective offers students the opportunity to gain fitness and learn about the many technical aspects of cycling.

Students participate in classroom and outside activities aimed at improving their knowledge about all aspects of cycling and their general aerobic fitness.

Students spend two periods per week riding their bikes and one period learning road rules, safety on the road, bike maintenance, bike setup and other bicycle information.

Links, Learning & Pathways

Students will:

- explore views about fitness and suggest what fitness might mean to various groups in society.
- develop their understanding of physical, mental and social and emotional benefits of participation in physical activity.
- consider the relationship between physical activity, fitness and health, and explore ways to measure their own fitness and physical activity levels
- monitor and analyse their own performance.
- develop strategies to minimise harm and to protect their own and others' health.
- really enjoy this fun activity.
- learn to maintain a bike.

VCE links: Unit 3/4 Health and Physical Education

Year 9 Forensics

Course Description

This subject is recommended for students interested in pursuing study and careers in Science.

Forensic science is the use of science to investigate and establish facts in relation to an event. Students will investigate a mock crime scene, including collection of evidence and using a variety of scientific techniques to analyse the evidence gathered. Students will follow scientific method to test and construct valid conclusions, and represent their findings using appropriate terminology and conventions.

Forensic techniques to be covered can include: fingerprints, bloodstain patterns and blood typing, forensic anthropology (height, weight), DNA analyses and profiling, chemical testing and chromatographic analyses, hair and fibre analysis.

Links, Learning & Pathways

Science Inquiry Skills: Plan, select and use appropriate investigation methods, including field work and laboratory experimentation, to collect reliable data; assess risk and address ethical issues associated with these methods.

Use knowledge of scientific concepts to draw conclusions that are consistent with evidence.

Communicate scientific ideas and information for a particular purpose, including constructing evidence-based arguments and using appropriate scientific language, conventions and representations.

VCE: Extension Science, Biology, Chemistry, Physics

Pathways: Science related fields including certificate and degree studies

Year 9 Lego Robotics & Mechatronics

Course Description

This subject is recommended for students interested in pursuing study and careers in Science, Technology, Engineering and Computer coding including apprenticeships, traineeships or university study.

Students will build simple Lego robots and use microcontroller based programming to complete a series of control-based activities. The robots utilise a range of sensors and students will program and modify the robots to solve challenging problems.

Students will apply the principles of basic pulley systems and gear drives; linear, rotational and eccentric motion, through the use of educational Lego kits. They will investigate basic electronic circuitry and build simple electronic devices.

Students will use Lego Mindstorms to build and control simple robots using an icon based programming software. The robots utilise a range of sensors which the students will program to solve different challenges.

Links, Learning & Pathways

Energy appears in different forms including movement (kinetic energy), heat and potential energy, and causes change within systems. Students begin to use new tools such as programming languages and modelling software to represent and explore processes. Students develop skills in using ICT systems for controlling events in a predetermined way by writing programs that, for example, control a robot, or respond to environmental changes captured by sensors.

VCE: Physics, Systems Engineering, Information Technology

Pathways: Engineering degrees and apprenticeships, Digital technologies

Year 9 CAD CAM

Course Description

Students will have the opportunity to use a CAD (Computer Aided Design) program to design their project and then send the design to a laser cutter, 3D printer or CNC Router to have the machine cut and shape their project. Students learn a range of valuable mechanical skills such as visualisation of ideas, CAD, design validation, data management skills, project assembly, drawings and assessing finished projects.

Links, Learning & Pathways

Links to Vic Curriculum; Technology (Level 9)

Links to VCE; Design and Technology - Wood, Systems, Metal and ICT

Vocational Pathways; Careers in Design, Engineering, Cabinet making, Medical Manufacturing and Industrial design

Personal enrichment

Skills in design, and Modern manufacturing

Special Requirements

USB mouse and USB drive

Year 9 Creative Plastic - Clocks

Course Description

In this subject students will develop both practical and design skills as well as get an appreciation for the properties of materials by creating a folio and manufacturing a practical product. Students will have access to a range of plastic materials and an increased range of processes such as CNC Laser cutting and Vacuum forming. The design process will include creation of a design brief, evaluation planning, design creation and primary and secondary research for the production including an awareness of sustainability.

Links, Learning & Pathways

Links to Vic Curriculum/VCE: Vocational Pathways; personal enrichment:

Links to Vic Curriculum: Technology (Level 9)

Links to VCE: Design and Technology - Wood, Systems, Metal,

Vocational Pathways: Careers in Design, Engineering, Industrial design

Personal enrichment: Skills in design, and plastic manufacturing

Year 9 Design & Create Outdoor Living

Course Description

During Design and Create Outdoor Living (DCOL) students study outdoor living. There is a large emphasis for students to discover what they like in Outdoor Living. Students study the design cycle and its specific steps to come up with multiple designs to satisfy a Design Brief. Students are expected to work in teams, working together on one large project at school. The students have to design and then build an interesting garden which reflects their tastes in Outdoor Living. Individually, students are required to design or re-design an outdoor living space at their own home. This is a design task only and students are not required to build this hypothetical space.

Links, Learning & Pathways

- Links to Vic Curriculum/VCE; Vocational Pathways; personal enrichment:
- VCE Pathway Agriculture and Horticulture
- Possibly lead into VET Horticulture Landscape

Learning focuses of DCOL

Individually and collaboratively, they apply imaginative and innovative strategies to develop creative design options, including those that are not immediately obvious, and plans for production.

Students develop greater spatial awareness, are encouraged to think flexibly, and represent their ideas using two- and three-dimensional hand- and computer assisted drawing and modelling techniques including the use of appropriate technical language.

Concentrating on the aesthetic, functional features and/or performance of the garden, students consider how it could be improved, and compare it to other similar products. They discuss and develop evaluation criteria to analyse and evaluate their completed garden and consider the social and environmental impacts of their own and others products

Special Requirements

An old change of clothes while doing construction practical classes.

Year 9 Digital Technology

Course Description

Students will learn about a range of hardware and software, and progress to an understanding of how data is transmitted between components within a system, and how the hardware and software interact to form networks. Students learn how data is represented for use by digital systems, and will be able to complete simple programming. Students will explore the use of development (software to develop games or programs) and will write programs or lines of code. Website design may also be incorporated, using HTML or website creation tools. Students will learn skills in using digital systems to interact safely by using appropriate technical and social protocols.

Links, Learning & Pathways

- Digital Technologies
- Critical and Creative Thinking
- Links to further studies in Information Technology

Year 9 Fabric & Fashion

Course Description

The aim of this unit is to extend a student's knowledge and understanding of various textile materials and construction techniques as a way of developing creativity and innovation. Students will study the components of the design process and learn to prepare projects by investigating, generating, producing, evaluating and managing tasks using a range of materials and techniques. Historical, sustainable and artistic exploration will also be an integral part of this unit, as a basis for imagination, inspiration and understanding of work materials.

Links, Learning & Pathways

- - Links to Vic Curriculum – Technologies (Design and Technologies) Level 9 & 10
- - Links to VCE – Design and Technology (Textiles)
- - Vocational Pathways – Careers in Design/Textiles/Fashion
- - Personal enrichment – Skills in pattern design/interpretation and sewing skills

Special Requirements

Students will need to purchase their fabric requirements for their individual garment. Eg Dress. Students may purchase their own pattern or use one provided by the school. All other requirements are provided by the school.

Year 9 Good Food Fast

Course Description

This elective is designed to give students the opportunity to prepare home made equivalents of popular fast food products. An emphasis was placed on preparing healthy nutritious food with fresh ingredients with minimal fuss. Students were required to analyse their own diet and explore common influences that affect adolescent food choices. This unit investigates into the Healthy Eating Pyramid and the Australian Guide to healthy eating were explored. Other topics addressed included the sensory properties of food and the nutrients associated with the Five Food groups.

Links, Learning & Pathways

- If you are interested in being in the Hospitality as a career, this is a good taster for you to try.
- Students who are interested in food and have basic kitchen skills would benefit with this elective.
- Year 10 Foods of the world and Chefs apprentice are the following year pathway.

Year 9 Horticulture & Sustainability

Course Description

Students will explore the different ways Horticulture can have an impact on environment and our way of life, with a particular focus on what is occurring locally. Students learn about the following techniques: Hydroponics, Aquaponics, Aquaculture, Turf Maintenance, Orchid Growing, Worm Farming as well as composting. All of these techniques have the underpinning emphasis on sustainability and resource saving techniques.

In selecting this elective students will:

- Students individually and in teams, develop innovative solutions in design and technology contexts
- Students develop greater spatial awareness, are encouraged to think flexibly, and represent their ideas using two- and three-dimensional hand- and computer assisted drawing and modelling techniques including the use of appropriate technical language. They will explore the properties and characteristics of materials, and carry out tests to determine their suitability for intended products. Student make basic automated irrigation systems; and energy sources (renewable and non-renewable)
- They trial and make products and systems based on their design concepts, justifying changes in their thinking as they design, develop and evaluate products and systems. This involves the use of tools, equipment machines and materials/ingredients safety.

Links, Learning & Pathways

- VCE Horticulture and Agriculture
- VET Horticulture

Year 9 Karts

Course Description

This subject aims to give students a more realistic view of Technology as applied to the automotive industry. Students are required to work in small groups and carry out research, develop ideas and produce designs that will allow them to produce a Go-Kart to set specifications. Each group shall be supplied with the mechanical parts required to build the vehicle. Through research and the development of design ideas the members of the groups will work together to complete and test their vehicle within the given time frame. They will ultimately race their vehicle against the vehicles completed by the other groups.

Students are required to demonstrate an understanding of the application and use of tools, equipment and machines that are employed in the shaping and modelling of metals. Students are required to demonstrate safe workshop practices.

Links, Learning & Pathways

- Links to Vic Curriculum; Technology (Level 9)
- Links to VCE; Design and Technology - / Systems / Metal /
- Vocational Pathways; Careers in Design/ Engineering /Industrial design/ motor mechanics
- Personal enrichment: Skills in design, small engines, engineering

Special Requirements

USB mouse and USB drive

Year 9 Metal

Course Description

Students will be introduced to both the functional and aesthetic uses of metal and projects involve a variety of metalworking skills such as sheet metalwork and various types of welding, soldering and cutting will be carried out on various take-home projects.

Some other materials such as plastics will be integrated into the course. Students will be using the Metal Technology workshop and equipment to gain experience to prepare them for possible further studies and careers where practical know-how and hands-on skill and creativity are required.

Links, Learning & Pathways

- Links to Vic Curriculum: Technology (Level 9)
- Links to VCE; Design and Technology: Metal and Systems
- Vocational Pathways: Careers in Design, Engineering, Manufacturing
- Personal enrichment: Skills in design, machining, welding

Special Requirements

USB mouse and USB drive

Year 9 Patchwork

Course Description

The aim of this unit is to extend a student's knowledge and understanding of various textile materials and construction techniques as a way of developing creativity and innovation. Students will study the components of the design process and learn to prepare projects by investigating, generating, producing, evaluating and managing tasks using a range of materials and techniques. Historical, sustainable and artistic exploration will also be an integral part of this unit, as a basis for imagination, inspiration and understanding of work materials.

Links, Learning & Pathways

- - Links to Vic Curriculum – Technologies (Design and Technologies) Level 9 & 10
- - Links to VCE – Design and Technology (Textiles)
- - Vocational Pathways – Careers in Design/Textiles/Fashion
- - Personal enrichment – Skills in pattern design/interpretation and sewing skills

Special Requirements

Students will purchase a selection of materials from which their Individual Quilt will be developed. Students may purchase a pattern or use a pattern provided by the school. All other requirements will be provided by the school.

Year 9 Ready Steady Cook

Course Description

This subject gives the opportunity to investigate a variety of foods and recipes. Students will learn to plan, design, produce and evaluate in their assessment tasks. Students devise work plans which details the materials to be used and tools and processes to be adopted. During weekly production activities students are encouraged to demonstrate independent and safe work practices. Their evaluation reports discuss the effectiveness of the products and suggest ways of improving or modifying the designs.

Links, Learning & Pathways

- If you are interested in being in the Hospitality as a career, this is a good taster for you to try.
- Students who are interested in food and have basic kitchen skills would benefit with this elective.
- Year 10 Foods of the world and Chefs apprentice are the following year pathway.

Year 9 Furniture Making

Course Description

In this subject students will develop both practical and design skills as well as increase their appreciation of the properties of wood by creating a folio and manufacturing a practical product, either a chair or a stool. Students will work with wood and have access to a range of tools and equipment and processes. The design process will include creation of a design brief, evaluation planning, design creation and primary and secondary research for the production including an awareness of sustainability.

Links, Learning & Pathways

- Links to Vic Curriculum: Technology (Level 9)
- Links to VCE; Design and Technology: - Wood and Systems
- Vocational Pathways: Careers in Design, Building, Cabinet making and Manufacturing

Personal enrichment

Skills in design and furniture making

Special Requirements

USB mouse and USB drive

Year 9 - Elective Selections 2019

St Mary of the Angels Secondary College Year 9 Elective Selection Sheet

Students in Years 9 need to select a total of 10 subjects from the list below. These selections need to be numbered in order of preference with 1 being the most preferred and 10 being the least preferred.

Students are encouraged to select electives from a broad range of subject areas Students who select their subjects from only one domain will be encouraged to broaden their selection.

English/Humanities	
An Introduction to Literature	
Eco. Warriors	
History Mysteries	
Making History	
Preparing for the Workplace	
The Pacific	
World Adventurer	
Health & PE	
Fun Through Fitness	
Get On Your Bike	
Outdoor Adventures	
The Arts	
Art	
Ceramics	
Dance	
Drama	
Drawing	
Media	
Music	
Painting	
Photography	
Sculpture	

Maths/Science	
Forensics	
Robotics & Mechatronics	
Technology	
CAD CAM	
Creative Plastics - Clocks	
Design & Create Outdoor Living	
Digital Technology	
Fabric & Fashion	
Furniture Making	
Good Food Fast	
Horticulture & Sustainability	
Karts	
Metal	
Patchwork	
Ready Steady Cook	
Languages	
Chinese - LOTE	
Italian - LOTE	

Student's Name: _____ Current Year: _____

Parent/Guardian's signature _____

Signed and completed forms are to be returned to the College office by **Friday 9th November, 2018**





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