ELECTIVES

2010

Grade 9
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1. **English**

**Creative Writing – 9CWR**

Creative writing is an effective and entertaining form of communication. This course will give students an opportunity to spend time creating and crafting a range of creative texts. Students will focus on the writing process of drafting, editing and proofreading to craft their writing. The course content would include; investigation of a writer, the craft of writing, exploring genre and form, and the creation of a writing portfolio. Students will have the opportunity to develop their writing portfolio and investigate ways writers get their work published.

**Course Content:**

- Investigation of a writer
- The craft of writing
- Exploring genre and form
- Writing portfolio

**Subject Pathway:**

Grade 10

**ENGLISH EXTENDED**

Grades 11/12

- **ENGLISH WRITING TQA2**
  - 150 Hours
- **ENGLISH APPLIED TQA 2**
  - 150 Hours
- **ENGLISH COMMUNICATIONS TQA 3**
  - 150 Hours
- **ENGLISH STUDIES TQA 3**
  - 150 Hours
- **ENGLISH WRITING TQA 3**
  - 150 Hours
Media Studies – 9ENGMS

This option focuses on the role of the media in today’s society. The media, in all its forms, is a potent influence on the shaping of attitudes and values in all people, but has a particular role in the shaping of young minds. This subject will teach students to become discerning media consumers. Media Studies is an important component of most Year 11 and 12 English courses. This optional subject will suit students with sound general English skills who have a genuine interest in the influence of the media.

Course Content:

- What is the media
- Issues in the media
- The cult of celebrity
- Television reality, pay, infotainment, domestic, documentary and soap opera
- Blockbuster films
- Media journal

Subject Pathway:

Grade 9/10

MEDI A STUDIES

Grades 11/12

MEDIA PRODUCTION
SS 2-4C
150 Hours

ENGLISH WRITING SS
3-4C
150 Hours

ENGLISH SS 4C
150 Hours

ENGLISH SS 2-3B
100 Hours

Grades 11/12

MEDIA PRODUCTION
SS 5C
150 Hours
3. **MATHEMATICS**

**Maths Extended – 9MATX**

Mathematics extended is suitable for students of all abilities and caters for those who enjoy mathematics as well as those students who wish to enhance their understanding of mathematical principles and are aiming to improve their achievement levels. Through studying mathematics extended, students will develop a sound grasp of algebraic processes, become better problem solvers, improve their examination techniques, use mathematics to model the real world, and make cross-curricular links between Mathematics and other disciplines especially Science, Music and Visual Arts. Computer software and graphic calculators are used throughout the Mathematics Extended course.

**Course Content:**

- Mathematical Modeling
- Application of Mathematics in the ‘real world’
- Algebra – preparation for Maths Methods
- Support for core Mathematics

**Subject Pathway:**

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Grade 10

MATHEMATICS METHODS
100 Hours

MATHEMATICS SPECIALISED TQA 3
150 Hours

Grade 11/12

MATHEMATICS APPLIED TQA 3
150 Hours
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4. SCIENCE

Robotics and Electronics – 9ROBEL

In the Robotics unit students will design, build and program fully functional robots. This will incorporate the important theoretical and practical aspects associated with Science, Technology, Engineering and Mathematics. Robotics will involve some programming using Lego robots, practical construction of functional robots and their required circuitry. For students with some electrical experience this could include the construction, programming and manipulation of advanced robotic systems similar to ones used for industrial and scientific purposes.

The Electronics unit includes a mixture of hands on practical learning and theoretical understanding. The unit will begin with a focus on circuit theory and then a provide opportunities for a variety of focuses depending on student interest. Through this unit students can gain experience using the tools needed for the electronics and associated industries and develop their understanding of how electronic components work.

Course Content:

- Test programming designed for a robot to accomplish a task
- Understand theoretical computing for robots
- Evaluate programs developed by the students
- Opportunity to participate in robotics challenges
- Use electronic equipment correctly and safely
- Develop understanding of theoretical electronics
- Construct circuits effectively

Subject Pathway:
Project Science – 9SCIPS

This is a teacher facilitated but student run course enabling students to follow an area of science about which they are passionate. Students will be encouraged to liaise with working scientists in a mentoring capacity to develop their own area of research to pursue in depth. This course demands that students are self motivated and, with help, can research, design, carry out and evaluate either an extended area of research or several smaller areas of practical research. It is recommended that all students discuss this with their Science teacher before choosing this option. This course would be of particular interest to any student intending to do a science subject in Year 11 or 12.

Course Content:

- Develop long term studies in an area of student interest
- Participate in a variety of state, national and international competitions.
- Develop practical skills in specific areas of Science that are not covered as part of Core Science.
- Opportunities to liaise with working Scientists conducting real world research.

Subject Pathway:

Grade 10

SCIENCE EXTENDED

Grade 11/12

LIFE SCIENCE TQA 2
150 Hours

Grades 11/12

APPLIED SCIENCE TQA 3
150 Hours

BIOLOGY TQA 3
150 Hours

ENVIRONMENTAL SCIENCE TQA 3
150 Hours
5. SOCIETY & HISTORY

History Extended– 9HISX

History Extended is for students who intend to go on to further study in the Humanities, or who have a serious interest in social, political or cultural matters. This subject will look at how the times and places we live in affect us, shaping our attitudes and experiences of life. Topics will be of special relevance to our world today, including a major focus on the cultural and social histories of China and Vietnam.

The subject will consider cultural theory of the late 20th Century. There will be a focus on Primary sources, and the philosophic underpinnings of culture will be a major perspective.

Students will develop high level understanding and skills, with an awareness of the context and philosophic basis of all historical texts. It is intended that the course will not only develop skills and understanding, but also appreciation of people and ideas from other places and other times.

Course Content:

- Cultural theory.
- Culture and history of Ancient China
- Culture and history of Vietnam to the present day; Australia’s relationship with Vietnam over the past 70 years.

Subject Pathway:

Grades 9/10

Grades 11/12

HISTORY EXTENDED

AUSTRALIA in ASIA & the PACIFIC TQA 3 150 Hours

SOCIOLOGY 5C 150 Hours

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Psychology – 9PSY

Psychology is the study of what goes on in the mind, and where feelings and behaviour come from. Psychology has five basic goals: it seeks to describe, explain, predict, control and improve. This subject will present an outline history of psychology, and explore a range of topics including practical experiments and research studies. It is an exploratory subject, inviting students to reflect on aspects of their own and others’ thoughts and behaviours.

Topics will range across Scientific and Humanist Psychology, with students choosing research topics according to their own interests. The course is designed to develop awareness of aspects of personality, motivation, mind-control and growth. Students should gain in understanding of themselves and others, as well as understanding the methods psychologists use in developing knowledge about psychological matters. There will be a focus on academic skills including the use of authorities and evidence.

Course Content:

- History of Psychology - from Freud, psychoanalysis, Conditioning, Behaviourism, Scientific Psychology, Humanism to interpersonal Psychology.
- Freud – id, ego, superego; conscious and unconscious mind; repression and compulsion
- Maslow and Rogers – motivation, self-actualisation and peak experiences
- Dreams
- Erikson and Stages of Human Development
- Self-image and Personality Disorders; methods of treatment
- Methods of data collection
- Personality and the effects of environment
- Research exercise on a subject chosen by the student

Subject Pathway:
5. SOCIETY & HISTORY

Child Studies – 9CHS

In Child Studies, students have the opportunity to explore the way babies and children develop from before birth through to the early years of school. The students examine the factors which influence the growing child and the way children develop through learning and play. Each student will be required to “care” for a simulated baby.

Course Content:

- Conception
- Pregnancy
- Birth
- Development for first 12 months
- Working with a simulated baby

Subject Pathway:

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6. **HEALTH AND PHYSICAL EDUCATION**

**Sport Science – 9SPS**

This course provides students with a basic understanding and appreciation of the need for improved physical fitness, nutrition and the maintenance of the related bodily functions. Students also learn and apply the principles of water safety, first aid and the treatment of sports injuries and their application.

**Course Content:**

- Skill Acquisition
- Body Systems
- Power Coaching

**Subject Pathway:**

Grades 9/10

**SPORT SCIENCE**

Grades 11/12

**SPORT SCIENCE**

SS 5C

150 Hours

**ATHLETE DEVELOPMENT**

SS 3C

150 Hours
Lifestyle Health- 9PELH

Lifestyle Health is for the student that is looking for that bit extra training and increasing their fitness base. This subject aims to encourage lifelong participation in physical activity as well as an understanding of sport in society. Students will be expected to be highly motivated and willing and able for any type of activity.

Course Content:

- Fitness Unit
- First Aid and Bronze Medallion Qualifications
- Extra Athletics and Cross Country Training
- Community based fitness

Lifestyle Health will be limited to 20 students by application only.

Subject Pathway:

Grades 9/10

LIFESTYLE HEALTH

Grades 11/12

PHYSICAL RECREATION TQA1
100 Hours

APPLIED SPORT STUDIES TQA 2
150 Hours

OUTDOOR EXPERIENCES TQA 1
50 Hours

CERTIFICATE 1 SPORT & RECREATION

SPORT SCIENCE TQA 3 150 Hours
7. THE ARTS

Drama – 9DRA

In Drama, students work cooperatively in groups or individually to search for, explore and negotiate through action. Students will have opportunities to perform in various productions and provide support both behind stage and front of house. Students will also have an opportunity to study script writing, stage makeup and set design. There is a written component in Drama which includes an ongoing reflective journal, critical analysis of live theatre and an assignment on theatre history. Students also need to critically examine and appraise their own work and the work of others.

Course Content:

- Mime and Improvisation
- Script and Filming
- Production and Theatre Sports
- Characterisation
- Excursions

Subject Pathway:

Grades 9/10

- DRAMA
  - STUDIES IN DRAMA SS 3B/C
  - STUDIES IN DRAMA PRODUCTION SS 3B/C

Grades 11/12

- THEATRE PERFORMANCE SS 5C
- DRAMA SS 5C
- STUDIES IN DRAMA SS 4B/C
- STUDIES IN DRAMA PRODUCTION SS 4B/C
Music - Rock Studies – 9MUSRM

This course is designed for three bands and it is preferred students enter as a group e.g. drummer, bass player, lead and rhythm guitar. Players must be proficient on the guitar and the group must have a ‘front singer’. Bands must be prepared to learn and practise repertoire that may not necessarily be their own choice. Singers are welcome and the course is very much based on performance.

Course Content:

- Performance
- Practice
- Writing Music and Lyrics

Subject Pathway:

Grades 9/10

MUSIC ROCK STUDIES

Grade 11/12

AUDIO DESIGN TQA 2
150 Hours

Grade 11/12

AUDIO DESIGN TQA 3
150 Hours
Music - 9MUS

This course is designed for musicians who already play an instrument or sing and would like to pursue their music either for pure enjoyment or in order to become very proficient. The content of the course does not necessarily have to be purely classical but no drumming or amplifiers will be allowed. The course is very much based on performance and students will have to perform at college assemblies, liturgies and concerts. Students will study genres including jazz, blues, etc.

Course Content:

- Use of technology
- Music appreciation
- Practice in keyboard, guitar, drums and voice
- Performance

Subject Pathway:

Grade 9/10

MUSIC

Grades 11/12

STUDIES IN MUSIC TQA 2
150 Hours

CONTEMPORARY MUSIC
ROCK STUDIES TQA 2
150 Hours

Grades 11/12

MUSIC PERFORMANCE TQA 3
150 Hours

MUSIC TQA 3
150 Hours

CONTEMPORARY MUSIC
ROCK STUDIES TQA 2
150 Hours
Audio Design – 9AUD

Comprises 2 units, sound reinforcement and sound recording

Sound Reinforcement will provide interested students with an opportunity to learn about the requirements setting up a P.A. system. This is a primarily hands on course and will provide students with experience in providing PA support for school assemblies, liturgies, music concerts, drama performances and school fairs. This course provides a pathway into the year 11/12 subject and into future career opportunities with sound reinforcement companies, the theatre and the music, television and radio industries.

In Sound Recording students will be able to look at the entire recording process. Students will gain experience in the art of recording, mixing and mastering.

Course Content:

- Signal path
- Microphone technique/placement
- Managing PA
- Editing and Mixing and Live Mixing
- Multi Tracking
- Understanding Terminology

Subject Pathway:
7. THE ARTS

Visual Art – 9VA

In Visual Art students will have an opportunity to engage in an aesthetic understanding of art through theoretical and practical means. It also enables students to enhance their understanding of the different values and attitudes of individuals and communities. Students explore ways of expressing themselves and develop critical knowledge and understanding of their work and the work of others. Students will be required to use a visual art diary that forms part of their assessment.

Course Content:

- Use of visual art diary
- Australian Identity through Painting
- Printing
- Ceramics
- Drawing
- Sculpture
- Digital Photography
- Independent Project

Subject Pathway:

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Grades 9/10  →  Visual Art

Grades 11/12  →  Visual Arts & Media 2-4C 150 Hours

Grades 11/12  →  Art Appreciation 5C 150 Hours

Grades 11/12  →  Art Production 5C 150 Hours

Grades 11/12  →  Art Studio Practice TQA 3  150 Hours
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8. LANGUAGES

Indonesian – 9IND

This subject is designed to develop students’ skills in understanding, speaking, reading and writing Indonesian. Students will experience and study this fascinating culture, in comparison with their own, and broaden their understanding of, and sensitivity to, all other cultures. The subjects in Grade 9 and 10 build on the skills and knowledge developed in Grades 7 and 8. Students who have no previous experience are welcome to join the Indonesian courses in Grade 9 or 10. In this case, teachers will help the students in every way possible, but the level of proficiency that can be achieved will be dependent upon a student’s own motivation and clear goals. The courses in Grades 9 and 10 develop the students in readiness for Grade 11.

Course Content:

- Language
- Culture
- Current Affairs

Subject Pathway:

Grades 9/10

Indonesian

Grades 11/12

Indonesian TQA 2
150 Hours

Grades 11/12

Indonesian TQA 3
150 Hours
Japanese – 9JAP

This subject gives students the opportunity to develop the skills of listening, speaking, reading, and writing Japanese and, in the process, gain a greater understanding of their own language. Students will study the fascinating culture of Japan in comparison with their own, and broaden their understanding of, and sensitivity to, all other cultures. Students of Japanese progress through a series of levels, building on the skills and knowledge gained in Grades 7 and 8. Students who study Japanese continuously through to Grade 10 have the advantage of being able to pursue pre-tertiary study of Japanese in Year 11.

Course Content:

- Going Places – holidays
- My Town – Amazing Race
- Verbs, Adjectives
- Visit to Japanese Restaurant

Subject Pathway:

Grades 9/10

Japanese

Grades 11/12

Japanese TQA 2
150 Hours

Japanese TQA 3
150 Hours

Grades 11/12
9. INFORMATION TECHNOLOGY

Digital Animation/Web Based Design – 9DAW

In the first half of the course students will learn how to construct web pages or create publications for print.

In the second half of the course the students will be able to choose either Gamemaker or Digital Animation.

Course Content:

Web page design
- Learn how to construct a web page in Dreamweaver.
- Learn the fundamentals of good web design and apply it to the redesign of a “bad” website.

Desktop publishing
- Learn the skills for producing various types of publications for print and how to manipulate images.
- Students will also have the opportunity to produce content for the yearbook.

Gamemaker
- Create puzzle, strategy, maze or adventure games using a drag and drop interface or the advanced scripting language.

Digital Animation
- Create cartoons in Flash.
- Learn how to use: a variety of tools and storyboards for your planning.
- Tweens to animate objects
- Library to store parts of your character to re-use later.

Subject Pathway:

Grades 9/10

DIGITAL ANIMATION/WEB BASED DESIGN

Grades 11/12

COMPUTING TQA 1-2
100-150 Hours

Grades 11/12

COMPUTER TECHNOLOGY TQA 3 150 Hours

Grades 11/12

INFORMATION TECHNOLOGY & SYSTEMS TQA 3 150 Hours
Photoshop and Painter – 9HPA

In the first part of this course students will have the opportunity to manipulate their own, and other people’s digital photos. Excursions will be taken to gather a wide range of subjects to photograph. Students will also produce graphics for the school calendar and yearbook.

In the second part of the course students will use Photoshop to replicate the style of various artists and also use Painter to create their own works of art mimicking the use of charcoal, pencils, oils etc. This subject allows students to be digital artists using computer tools to replicate “hands on” art techniques either to mimic the style of well known artists or to create their own works of art.

The use of digitising tablets will allow students to have more control over their work and be the equivalent of using traditional drawing or paint methods.

Course Content:

- Understanding camera settings
- Understanding rules for taking good photos
- Improving photos using Photoshop
- Creating imagined scenarios from standard photos
- Mimicking techniques from ‘the masters’
- Creating fully digital artworks

Subject Pathway:

Grades 9/10

PHOTOSHOP and PAINTER

Grades 11/12

VISUAL ARTS & MEDIA
150 Hours

ART STUDIO PRACTICE
TQA 3 150 Hours
10. TECHNOLOGY

Design In Wood – 9MDTW

Design in Wood provides students with the opportunity to use a variety of tools, equipment and materials in a safe workshop environment.

This subject encourages students to use design, make and appraise to develop an understanding of the design process. Through working with timbers, students will be involved in a variety of practical problem solving solutions that lead to the development of skills, techniques and processes. Students are encouraged to work independently and cooperatively, showing creativity and resourcefulness whilst demonstrating a thorough awareness of Occupational Health and Safety in the workshop.

Course Content:

- OH & S
- Coffee Table
- Wine Rack
- Independent Project

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<td>CERTIFICATE 1 VET CONSTRUCTION</td>
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Design in Metal – 9MDTM

Design in Metal provides students with the opportunity to use a variety of tools, equipment and materials in a safe workshop environment.

This subject encourages students to use design, make and appraise to develop an understanding of the design process. Through working with metal, students will be involved in a variety of practical problem solving solutions that lead to the development of skills, techniques and processes. Students are encouraged to work independently and cooperatively, showing creativity and resourcefulness whilst demonstrating a thorough awareness of Occupational Health and Safety in the workshop.

Course Content:

- OH & S
- Welding
- Lathe
- Cutting & Fabrication

Subject Pathway:

Grades 9/10

Grades 11/12

DESIGN IN METAL

CERTIFICATE 1 VET CONSTRUCTION
Computer Graphics & Design – 9CGD

This subject encourages students to develop an understanding of computer graphics processes, concepts and skills. They will use design principles and practice to explore applications and to prepare graphic presentations.

The majority of this course is spent working with TurboCad Professional and 3D Studio Max. Drawings include: isometric drawing, orthographic drawing, architectural drawing, product design, 3D modelling and animation.

Course Content:

- Design
- To gain skills and techniques
- Identify and propose solutions
- Locate and manage resources
- Participation skills

Subject Pathway:

Grades 9/10

Subjects:

- COMPUTER GRAPHICS AND DESIGN

Grades 11/12

Subjects:

- COMPUTER SCIENCE TQA 3
  150 Hours
- INFORMATION TECHNOLOGY AND SYSTEMS TQA 3
  150 Hours

COMPUTING TGA 1-2

100 or 150 Hours
10. Technology

Fashion & Fabrics – 9FASF

Fashion and Fabrics will provide students the opportunity to explore fabrics in relation to the fashion or interior design industries. Students will investigate how fabrics are used in fashion and interior design, and they will explore trends within each industry and developing an understanding of influences such as colour, texture, and technology when working with fabrics. Central to the course will be a practical project using fabrics. This could be the making of an item of clothing, designing and making a quilt or producing interior design items such as cushions, doona covers, etc. Students will have the opportunity to develop their own practical projects.

Course Content:

- Develop skills and knowledge relevant to the fashion industry.
- Understand and demonstrate how to design, make and evaluate textile products.
- Gain knowledge of how history and culture influence fashion trends.
- Develop knowledge of fabric sources and how their fibre characteristics influence their uses in everyday clothing.

Subject Pathways:

Grades 9/10

FASHION AND FABRICS

Grades 11/12

CERTIFICATE 1-1V
APPLIED FASHION DESIGN & TECHNOLOGY POLYTECHNIC

CLOTHING, TEXTILES & DESIGN POLYTECHNIC

DESIGN & PRODUCTION POLYTECHNIC
10. Technology

**Food Studies – 9FST**

Food Studies enables students to develop an understanding of nutrition by producing food items. Students will be encouraged to develop knowledge of food in the wider community in order to gain an appreciation of vocational and consumer opportunities. Students are encouraged to work independently and cooperatively in a safe and hygienic manner, and to demonstrate initiative and resourcefulness when completing given tasks.

**Course Content:**

- Food and Culture in Australia
- Bread, Yeast and Pastry
- Cake Decorating
- Food for Special Occasions
- Nutrition

**Subject Pathway:**

Grades 9/10  
Grades 11/12  
Grades 11/12  
Food Studies → Food and Cooking Essentials TQA 1 100 Hours → Food and Nutrition TQA 150 Hours