



**EMMANUEL  
ANGLICAN  
COLLEGE**

*Learning ~ Living ~ Leading*

# **YEAR 9 SUBJECT SELECTION HANDBOOK**



## **Our Purpose**

*We seek to grow each student to become a person of character who is inspired by excellence and adaptability, whose life is modelled on that of Jesus, and who, through courage, creativity, compassion and citizenship, strives to create a better world.*

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CRICOS Provider Code:

Emmanuel Anglican College Council (02449F)

Emmanuel Anglican College is a Child Safe Organisation

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## SECTION ONE: MANDATORY STUDIES

### 1.1 Introduction

The NSW Education Standards Authority has divided the curriculum into six stages. Year 9 and Year 10 represent Stage Five of this curriculum and culminate in the commencement of the first externally awarded credential known as the Record of School Achievement.

Movement into Stage Five reflects a significant development in a young person's educational journey. The nature and expectations associated with the curriculum change greatly as students are required to follow a set pattern of study and for the first time, are invited to make decisions about the courses they will undertake.

This booklet has been designed to help students and their families make informed choices about the course of study they will undertake in their journey through Stage Five.

### 1.2 Record of Student Achievement

The Record of School Achievement (RoSA) is issued by the NSW Education Standards Authority (NESA). The RoSA is a cumulative credential, meaning it contains a student's record of academic achievement up until the date they leave school. This could be between the end of Year 10 up until and including some results from Year 12. The RoSA records the completion of NESA developed Stage 5 (Year 9 and 10) and Preliminary Stage 6 (Year 11) courses and grades, HSC (Year 12) results and where applicable participation in any uncompleted Preliminary Stage 6 courses or HSC courses.

NESA issues the Record of School Achievement to eligible students who leave school before completing the Higher School Certificate (HSC). The RoSA is useful to students leaving school prior to the HSC because they can show it to potential employers or places of further learning.

### 1.3 Mandatory Studies

As part of the requirements of successful completion of the Record of School Achievement students must undertake a series of mandatory studies. These courses form the foundation of the Record of School Achievement and the Stage Five curriculum and include:

- English
- Mathematics
- Science
- Personal Development, Health and Physical Education (PDHPE)
- Human Society and its Environment (HSIE) - History and Geography
- Students at Emmanuel Anglican College are also required to study Religion and Philosophy Education (RaP)

### 1.4 Qualifying for the Award of Record of School Achievement

To qualify for the award of Record of School Achievement a student must:

- Study courses designed by or endorsed by the NSW Education Standards Authority
- Follow a pattern of study approved by the NSW Education Standards Authority
- Apply themselves with diligence and sustained effort to the set tasks and experiences provided in the course by the school
- Achieve some or all of the outcomes in each course studied

## SECTION TWO: ELECTIVE STUDIES

### 2.1 Elective Courses at Emmanuel Anglican College

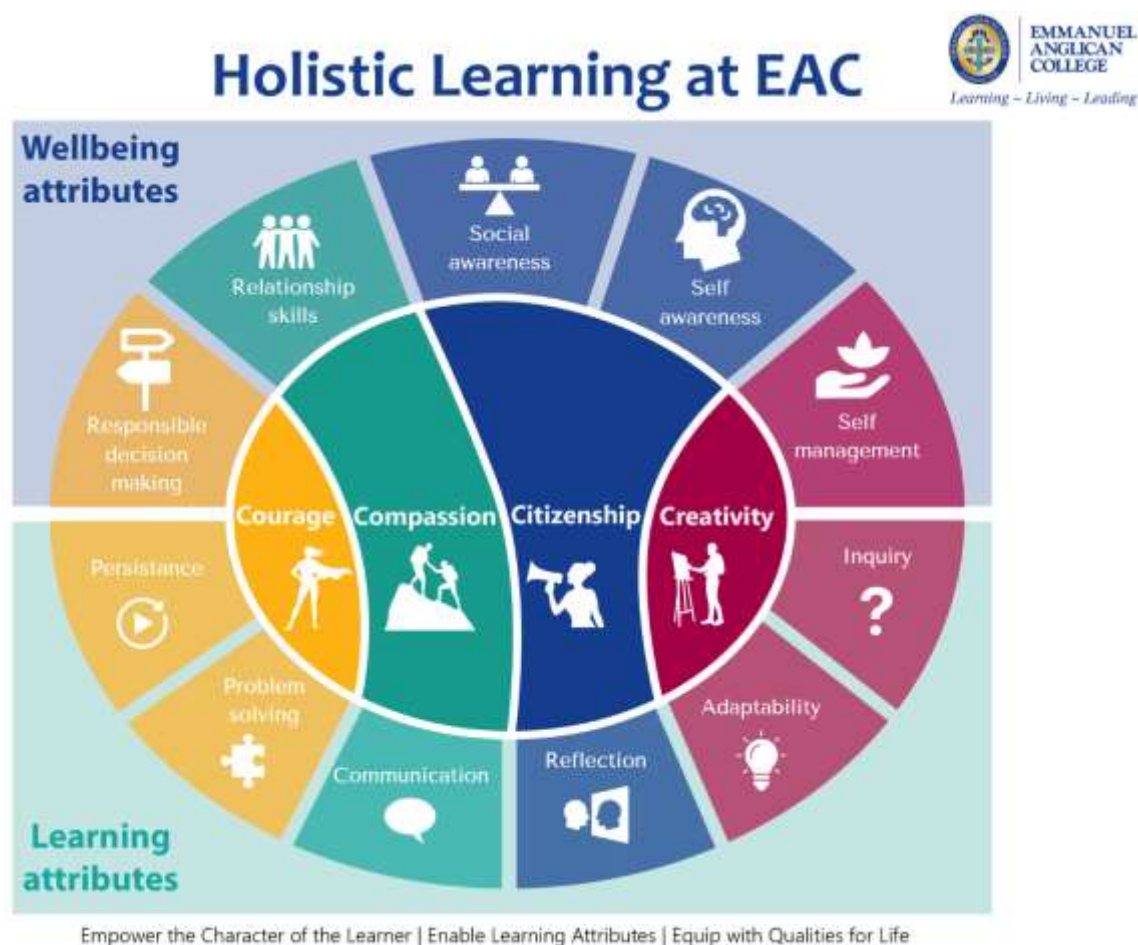
In addition to the Mandatory Studies which are listed on the RoSA, the College offers a wide range of additional studies which broaden our students' skills and experiences in Stage 5. As additional courses, these will not be listed on the Record of School Achievement but will be recorded on the Academic Report issued by the College.

Our Elective Courses in Stage 5 offer an opportunity for students to experience hands on, real world learning that develops a wide range of learning and wellbeing attributes which will equip our students for the world beyond school.

All of these courses aim to:

- Engage all students in their learning
- Embed learning in the real world, breaking down traditional subject boundaries
- Develop a wide range of learning attributes and wellbeing attributes which will equip students for the world beyond school
- Prepare students for potential future pathways, both academic and vocational

A summary of the learning and wellbeing attributes these courses are striving to develop is provided in the diagram below which outlines the components of the EAC Holistic Learning Framework.



## 2.2 Types of Courses

We offer electives in two study formats:

- ‘Extend’ courses: These courses run for 10 periods a cycle and offer additional time to provide students with deeper, real world learning experiences
- “Explore’ courses: These courses run for 5 periods a cycle and whilst these also develop real world skills and experiences, these have a smaller focus

Students will have the opportunity to study ONE Extend course and TWO Explore courses.

## 2.3 Courses Offered

For Year 9 in 2025, the Elective Courses on offer are summarised in the table below.

Extend Courses	Explore Courses
<ul style="list-style-type: none"> <li>• <b>10</b> periods / cycle</li> <li>• One line.</li> <li>• Students will study ONE of these electives.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>5</b> periods / cycle</li> <li>• Two lines. Lines will be developed based on student preferences.</li> <li>• Students will study TWO of these electives.</li> </ul>
Digital Art	Business Matters
Human Movement	Computing Technology
Lights Up! Drama	Forensic and Biomedical Science
Marine Studies & Aquaculture	Industrial Timber Technology
Market Garden Café	Cultural Studies
Pop Culture	Legal Matters
STEM	Mathematics Acceleration (by invitation only)
<i>See <b>Section Three</b> for information about these electives.</i>	Music
	Visual Art

*See **Section Four** for information about these electives.*

Information about each of these subjects is provided in the course outlines in Section Three and Section Four.

## [2.4 Course Selection Process and Important Dates](#)

Term 3, Week 5	Tuesday 20 August	<ul style="list-style-type: none"><li>• Subject Handbook Published</li><li>• Student Information Session</li><li>• Subject selections with Edval Choice open at 4pm.</li></ul>
Term 3, Week 6	Monday 26 August	<ul style="list-style-type: none"><li>• Subject selections with Edval Choice close at 3pm</li></ul>
Start Term 4		<ul style="list-style-type: none"><li>• Final course allocations sent to students and parents.</li></ul>

## [2.5 Making Informed Choices](#)

To make good decisions when choosing elective subjects, students need to make an informed choice. Subject selection should be based on a student's **interests** and **ability**. Selection of courses should never be based on what a student's friends are choosing.

In order to make an informed choice, students should:

1. Reflect on their strengths, weaknesses, the subjects they enjoy, their interests, and their possible future career paths
2. Read over this booklet carefully with parents or carers and talk about the choices together
3. Get more information from parents and teachers about subjects as required

## [2.6 Completing the Online Subject Selection Form](#)

Instructions on how to access the subject selections on Edval Choice will be emailed to students. The information you provide will be used to determine how to arrange the elective courses on the school timetable.

The courses and units offered will be based on the overall demand and combinations that best suits the needs of as many students as possible; that is, the least number of subject 'clashes' and meeting the choices of the most students. It is important to note that not every course on offer will run and the decision of what courses run will be based on student numbers in each course.

Students are asked to indicate those courses they would like to undertake in order of preference. Students will be asked to select:

- One intensive (double) elective and a reserve intensive elective
- Two single electives and two reserve single electives

Every attempt will be made to provide students with their top preferences, but this may not always be possible.

## 2.7 [Subject Levies](#)

Please note when making choices that many subjects have a subject levy, which allows these courses to embed real world learning experiences including excursions and additional equipment or resources. These have been listed on the subject information pages and are also summarised in the table below. The costs differ due to variation in what is required to deliver each course.

Type	Course	Subject Levy
Extend Courses	Digital Art: Film, Photography and Animation	\$100
	Human Movement	\$250
	Lights Up! Drama	\$100
	Marine Studies and Aquaculture	\$250
	Market Garden Café	\$300
	Pop Culture	\$75
	STEM	\$75
Explore Courses	Business Matters	\$75
	Computing Technology	\$75
	Forensic and Biomedical Science	\$100
	Industrial Timber Technology	\$150
	Cultural Studies	\$60
	Legal Matters	\$75
	Mathematics Acceleration (by invitation only)	N/A
	Music	\$75
	Visual Arts	\$75

## SECTION THREE: COURSE CONTENT OUTLINES | EXTEND COURSES



## Digital Art: Film, Photography and Animation



### Course Structure

Emmanuel Anglican College offers *Digital Art* for study in Year 9 as an Extend course for 10 periods a cycle.

### Course Description

This course is designed for students who have an interest in film and photography. Students will build on the knowledge and experiences acquired from Stage Four Visual Arts, with a strong focus on learning through making and practical activities. Activities and tasks are developed to give opportunities to learn photography and filmmaking skills through making, creating and developing their own bodies of work.

### Students Learn About

Students learn about the functions of the camera (shutter speed, aperture, ISO, focal length, etc.) and a broad variety of approaches to making photographic still and moving imagery. Students also explore other photographers' and filmmakers' practice through historical and critical studies. These studies help inform the students' personal approach to creating photographic images and films.

### Students Learn To

In *Digital Art* students learn to use a variety of camera and film techniques to:

- Create a room size camera obscura
- Take still images using a DSLR
- Plan, shoot and edit a music video
- Study portrait and street photography
- Use adobe photoshop and premier pro
- Create a stop motion photo video
- Create a vlog
- Shoot studio photography pieces using softbox lighting and student made lightboxes
- Study the importance and power of photo journalism both currently and historically



### Capabilities

Upon successful completion of *Digital Art* students will be capable of creating and developing their own pieces, bodies of work and short films. They will apply themselves with intellectual autonomy, diligence and sustained effort to the set tasks and learning opportunities provided by the College. Students will also develop confidence for other areas of learning and life as the creative process enables risk taking and an understanding of design thinking. Students will have capabilities that will prepare them for many areas of the Arts such as film, photography, animation, fashion, television, graphic design, architecture, advertising, art direction, historian, critic and curator.

### Subject Levy

A levy of \$100 will be payable for the cost of materials associated with various creative projects throughout the year.

Please contact Mrs Galletly-Salisbury or Mr Raguse for more information.

## Human Movement



### **Course Structure**

Emmanuel Anglican College offers *Human Movement* for study in Year 9 as an Extend course for 10 periods a cycle.

### **Course Description**

This course is designed for students interested in physical activity, sports science and enhancing participation and performance. Students will build on the knowledge and experiences acquired from Stage Four Personal Development Health & Physical Education. Activities and tasks are developed to give students the opportunity to work towards qualifications in coaching, event management and fitness.

### **Students Learn About**

Students will gain a foundation in sports science related to human movement and sports performance. Key concepts will include movement and physical literacy, exercise physiology, biomechanics, motor control, and exercise programming and prescription. The course will include a selection from the following modules:

- Body systems and energy for physical activity
- Fundamentals of movement skill development
- Nutrition and physical activity
- Participating safely (pool water safety)
- Australia's sporting identity
- Lifestyle, leisure and recreation
- Sports for specific groups and coaching
- Enhancing performance (fitness)
- Sports technology, participation and performance
- Event management (umpiring and refereeing)



### **Students Learn To**

In *Human Movement* students learn to work collaboratively with others to enhance participation, enjoyment and performance in physical activity and sport, display management and planning skills to achieve personal and group goals in physical activity, perform movement skills with increasing proficiency and analyse and appraise information, opinions and observations to inform physical activity and sport decisions.



### **Capabilities**

Upon successfully completing *Human Movement* students can develop their numeracy, literacy, ICT, social and personal capabilities, ethical and intercultural understandings, and critical and creative thinking. Other important areas of learning include civics and citizenship, difference and diversity and work and enterprise.

### **Subject Levy**

A levy of \$250 will be payable for the cost of various materials, equipment, and excursions/incursions.

Please contact Mr Saad or Mrs Miller for more information.

## [Lights Up! Drama](#)

### Course Structure

Emmanuel Anglican College offers *Lights Up! Drama* for study in Year 9 as an Extend course for 10 periods a cycle.

### Course Description

This course is designed for students who have an interest in performing Drama and production skills. Students will build on the knowledge and experiences acquired from Stage Four English and our College productions.



This is an exciting, experiential performance-based elective. The students will develop and hone their performance and technical skills for a variety of audiences. The course is designed to develop students' awareness of themselves as a professional performance ensemble and provide real world experiences. Finely tuned skills will provide an excellent platform for enhancing skills in lateral thinking, collaboration, creativity which is transferable to any subject and the real world. Students will have a chance to work with industry professionals in masterclasses. As part of this course, students will go on excursions to see play productions, musicals, backstage tours of theatres and film companies, and may participate in competitions in Sydney and Brisbane.

### Students Learn About

Students will develop acting, performance and stage presence. They will also develop a strong actor's voice and will learn to use improvisation and imagination to create engaging and believable characters. Students will work with scripted (screen and theatre) and non-scripted material, directing, movement for the stage, fight choreography, circus and physical theatre skills.

Students will also learn about the elements of performance: operating lighting and sound, set/scenic design, SFX make-up, costume, making props/masks, publicity and promotion.

### Students Learn To

In *Lights Up! Drama* students learn to:

- Workshop, rehearse and deliver polished performance pieces
- Discuss and advise others
- Watch, view and appreciate a variety of performances, both local and mainstage productions
- Perform in a range of contexts and/or support others in their performance (in either front or back of house roles)
- Work towards showcases, performances, exhibitions and creative collaborations.



### Capabilities

Upon successful completion of *Lights Up! Drama* students will be capable of developing performances, persistent in seeing a project through, teamwork, risk taking, thinking creatively, collaborating effectively, receiving and giving feedback, reflecting and enjoying their own works and the works of others.

### Subject Levy

A levy of \$100 will be payable for the cost of various materials, equipment, costumes and excursions/incursions.

Please contact Mrs Anderson or Mr Raguse for more information.

## Marine Studies and Aquaculture

### Course Structure

Emmanuel Anglican College offers *Marine Studies and Aquaculture* for study in Year 9 as an Extend course for 10 periods a cycle.

### Course Description

This course is designed for students who:

- Have ever entertained the idea of being a marine biologist
- Want to gain knowledge and understanding of aquatic species and their habitats
- Would like to learn about sustainable methods of farming fish, crustaceans and aquatic plants as well as run their own aquarium
- Enjoy spending time in marine environments (e.g. snorkelling, fishing, exploring rocky shores, mangrove systems and beaches)



This course will include a variety of first hand investigations at locations away from school such as rocky shore exploration, fish harvesting, fish farming and other marine ecosystems. There may also be visits to the marine research facilities at Southern Cross University, Coffs Harbour and Lismore Campuses. Students will build on the knowledge and experiences acquired from Stage Four Science, Mathematics, English, PDHPE and HSIE.

### Students Learn About

Students will learn about aquatic environments, water safety, general first aid and the maintenance of equipment. The economic sustainability of aquaculture and marine environments will be explored, together with the preservation of wild seafood stocks.

### Students Learn To

In *Marine Studies and Aquaculture*, students learn to ethically and sustainably use, manage and protect the marine environment. They will also learn to use fishing rods and equipment, measuring apparatus, boating and water safety.



### Capabilities

Upon successful completion of *Marine Studies and Aquaculture*, students will develop their capacity to be future custodians of the marine environment and appreciate its value. They will have the skills to use and protect its unique ecosystems and at the same time communicate their appreciation to the community.

### Subject Levy

A levy of \$250 will be payable for the cost of various materials, equipment, and excursions/incursions.

Please contact Dr Jacob or Mr Hartel for more information.

## Market Garden Café

### **Course Structure**

Emmanuel Anglican College offers *Market Garden Café* for study in Year 9 as an Extend course for 10 periods a cycle.

### **Course Description**

This course is designed for students who have an interest in growing food, cooking and food service, from garden to plate. Students will build on the knowledge and experiences acquired from Stage Four Sustainable Living.

Activities and tasks are developed to give opportunities for students to plan and grow a market garden, plan and cost menus and deliver food and beverage service through the *Market Garden Café*.



### **Students Learn About**

Students will study the concepts of food hygiene and safety in the kitchen, food preparation techniques; appropriate storage; food presentation and service; nutrition for health; seasonal gardens; companion planting and composting.

### **Students Learn To**

In *Market Garden Café*, students learn to grow a seasonal garden, incorporating companion planting and composting; use equipment safely; plan and prepare nutritious food; provide effective food and beverage service; collaborate and work in a team environment; plan and cost menus; promote the *Market Garden Café* and other related ventures such as flower sales or seed raising.

### **Capabilities**

Upon successful completion of *Market Garden Café* students will be capable of:

- Critical and creative thinking
- Ethical understanding
- Intercultural understanding
- Literacy
- Numeracy
- Personal and social capability (collaboration and teamwork)

### **Subject Levy**

A levy of \$300 will be payable for the cost of food and plants used throughout the course.

Please contact Mrs Ashdown or Mrs Annetts for more information.

## Pop Culture

### Course Structure

Emmanuel Anglican College offers *Pop Culture* for study in Year 9 as an Extend course for 10 periods a cycle.

### Course Description

The *Pop Culture* course explores the influence of history on the development of artistic culture and provides students with opportunities to represent their learning across a variety of practical formats of their own choosing.



*Pop Culture* blends the study of social history and its influence on society. This includes fashion, crime, music, film, literature, music lyrics, music videos (including YouTube), posters and protest art (and lyrics), social media. This will provide scope for students to undertake creative works aligned to these.

### Students Learn About

A wide variety of topics such as:

- Heroes and villains- Modern political figures, advocates for change and music icons e.g., Greta Thunberg, Obama, Kanye West, and Taylor Swift
- Social change and revolution e.g., Woodstock, Vietnam, Protest Songs/Art #MeToo movement and #BlackLivesMatters
- Evolution of Teenage rebellion - Rock and Roll, Punk, Grunge and of Hip-Hop culture
- Tragedy of stardom - the resurgence of the docudrama e.g., Elvis, Andy Warhol Diaries
- Pop culture phenomenon e.g. Harry Potter Comic Con, Manga, Titanic, Marvel



### Students Learn To

The practical component of the course provides students with an opportunity to focus on an area of self-directed interest. Students will choose a Pop Culture topic and create a series of Creative Works either individually or collaboratively. The method/media in which these works will be presented/exhibited will be chosen by students and could include music, art, photography, film, dance, drama, poetry, creative writing, digital media, speech, textiles/fashion, historical investigation.

### Capabilities

Upon completion of the course, students will have developed skills regarding creativity, working independently and collaboratively, critical thinking, reflection, research, project development, goal setting, skill set in relevant focus areas, communication, problem solving and resolving differences.

### Subject Levy

\$75 per student for purchase of materials to develop their Creative Works and attend excursions/incursions.

Please contact Mrs Holmes or Mr Holmes for more information.

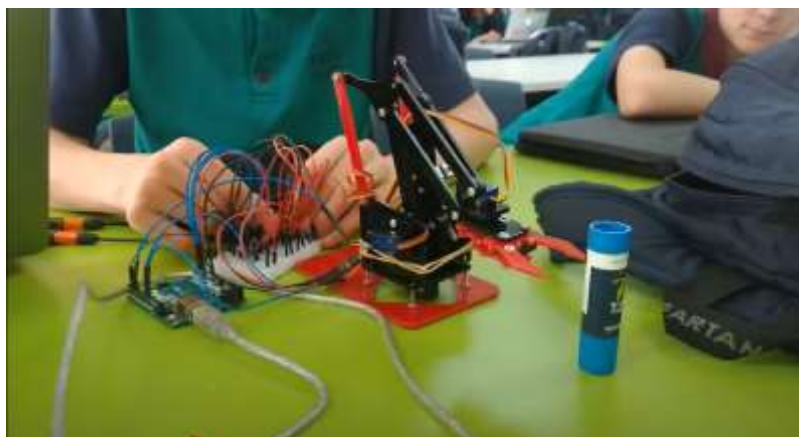
## STEM

### **Course Structure**

Emmanuel Anglican College offers *STEM* for study in Year 9 as an Extend course for 10 periods a cycle.

### **Course Description**

This course is designed for students who are keen problem solvers and users of technology and those that have an interest in *STEM* fields such as



engineering, technology and applied sciences and mathematics. Students will build on the knowledge and experiences acquired from Stage Four *STEM*. Activities and tasks are developed to give opportunities to delve deep into real world engineering and science challenges all while utilising modern technologies.

### **Students Learn About**

Students will study the concepts of aeronautics, renewable energy, mechatronics and robotics or biotechnology. They will also gain an increased awareness of the way *STEM* professionals work and careers in *STEM* areas including trades.



### **Students Learn To**

In *STEM*, students learn to design, produce and test a model glider using gained knowledge of aerodynamic principles; evaluate and experiment with current solutions for green and

renewable energy technologies, and construct circuitry using an Arduino microcontroller board and compatible electronic components. They will also learn to utilise 3D modelling software and develop their skills in design, coding, construction, scientific inquiry and collaboration.

### **Capabilities**

Upon successful completion of *STEM* students will be capable of:

- Understanding and applying the aerodynamic principles that enable efficient flight
- Sensing and controlling the physical world through electronic sensors and actuators and efficient and effective code
- Undertaking research and preliminary experiments to come up with a justifiable design solution
- Selecting and utilising appropriate technologies and processes to build a solution to an engineering problem or challenge
- Performing rigorous and fair testing to evaluate the effectiveness of a solution
- Working in a timely and productive way in a collaborative environment

### **Student Levy**

A levy of \$75 will be payable for the cost of various materials and equipment.

Please contact Mrs Ashdown or Mr Hawkes for more information.

## SECTION FOUR: COURSE CONTENT OUTLINES | EXPLORE COURSES



## Business Matters



### **Course Structure**

Emmanuel Anglican College offers *Business Matters* for study in Year 9 as an Explore course for 5 periods a cycle. *Business Matters* in previous years was known as *Commerce*.

### **Course Description**

*Business Matters* provides students the knowledge, skills, understanding and values they need to participate in business or to become entrepreneurs in the future. It develops in students an understanding of commercial, and competencies such as the four major business functions. *Business Matters* is based on experiential learning, is project and skills based.

### **Students Learn About**

The fundamentals of developing a business. Students will go through the ideation process, develop a product, produce a product, market the product and sell the product. As they do this, they will develop all the skills needed to excel in business or as an entrepreneur.

Students also study the fundamentals of the financial side of business and consumerism through the Focus Area Consumer and Financial Decisions.

### **Students Learn To**

In *Business Matters*, students learn real world skills that complement any passion, allowing them to start any enterprise in their interest area and learn the fundamentals of the business and entrepreneurial environment including marketing, operations, finance and human resources. They understand the relationships between consumers, businesses and governments in the overall economy. Through their investigation of these relationships, students develop the capacity to apply problem-solving strategies which incorporate the skills of analysis and evaluation. Students engage in the learning process which promotes critical thinking, reflective learning and the opportunity to participate in the community.

### **Capabilities**

Through participation in *Business Matters*, students will have the opportunity to develop their numeracy, literacy, ICT and social and personal capabilities, their ethical and intercultural understandings and their critical and creative thinking. Other important areas of learning include civics and citizenship, difference and diversity and work and enterprise.

### **Subject Levy**

\$75 for the cost of material for product production, and other points of interest related to the units of this course.

Please contact Mrs Middleton or Mr Malone for more information.

## Computing Technology

### Course Structure

Emmanuel Anglican College offers *Computing Technology* for study in Year 10 as an Explore course for 5 periods a cycle.

### Course Description

*Computing Technology* focuses on computational, design and systems thinking. It also develops data analysis and programming (coding) skills.

### Students Learn About

- The art of revealing hidden secrets in data: Decode patterns, unlock mysteries, and make sense of big data
- How to turn your app and website dreams into reality
- How to master the art of making things communicate seamlessly in your own digital universe
- Creating simulations and games
- Wielding advanced tech to shield data from cyber villains
- Exploring technology ethics: Learn how to use tech and data responsibly. Protect privacy and keep cyberspace safe



### Students Learn To

Students become increasingly confident, creative, efficient and discerning when using and developing various digital products/solutions. They expand their understanding of related work environments while developing skills to equip them for further education, vocational pathways and personal interests.

### Capabilities

Upon successful completion of *Computing Technology*, students will be capable of:

- Advanced computing skills
- Project management and thinking skills
- Critical and creative thinking
- Social and Cultural Awareness

### Student Levy

A levy of \$75 will be payable for the cost of a personal microbit and other materials.

Please contact Mrs Ashdown or Mrs Beavis for more information.



## Cultural Studies

### **Course Structure**

Emmanuel Anglican College offers *Cultural Studies* for study in Year 9 as an Explore course for 5 periods a cycle.



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### **Course Description**

#### Stage Five *Cultural Studies*

encompasses all the educational and social benefits of learning cultural literacy, enabling students to participate in a global economy, understand International Relations and embrace diversity.

The course focuses on creating a cohesive and just world. *Cultural Studies* provides students with an opportunity to explore and recognise their own cultures and appreciate the richness of multicultural Australia, our Asia-Pacific region and the world. *Cultural Studies* enables the study and understanding of different perspectives and develops skills to engage harmoniously in an interconnected world.

### **Students Learn About**

Students learn about culture and identity, analysing the factors, belief systems and traditions that contribute to diversity. As a part of the global community, they will learn the skills and tools required to be proactive and confident in cross cultural communication and international business. Students have options for two depth studies in this course on the topics of human rights, globalisation, travel, the movement of people, culture in the arts, cultural change or language and culture.

Students learn essential concepts, skills, competencies and knowledge to encourage a process of quality thinking that can be used to explain patterns of behaviour, solve problems, and actively contribute to all levels of society. *Cultural Studies* prepares students for adult life by developing knowledge, understanding and qualities associated with effective citizenship and governance at local, national, regional and global levels. It forms a basis for moving towards a more just society through positive participation in community life, attaining social and cultural literacy and advocacy for human rights and making global connections.



### **Capabilities**

Student will gain the following capabilities at the completion of the Stage 5 *Cultural Studies* Course:

- Social and cultural concepts
- Understanding of how personal experience and public knowledge interact to develop personal and social futures
- Social and cultural research methods and ethical research
- Informed and active citizenship
- Foreign affairs and trade for the Asia Pacific
- Understanding of cultural change and its modern day impacts

### **Subject Levy**

A levy of \$60 will be payable for the cost of excursions/incursions

Please contact Mrs Campbell for more information.

## Forensic and Biomedical Science

### **Course Structure**

Emmanuel Anglican College offers *Forensic and Biomedical Science* for study in Year 9 as an Explore course for 5 periods a cycle.

### **Course Description**

The *Forensic and Biomedical Science* course for Year 9 students is designed to provide a foundational understanding of the fascinating worlds of forensic science and medical science. This course aims to spark students' interest in these fields while introducing them to the basic concepts, methods and ethical considerations involved. It combines theoretical knowledge with hands-on activities to engage and educate about the crucial roles these sciences play in solving crimes and advancing healthcare.



### **Students Learn About**

Forensic science:

- The history and evolution of forensic science
- The role of forensic scientists in criminal investigations and techniques for securing and processing a crime scene
- Evidence collection and preservation
- Basics of fingerprint analysis, bloodstain pattern analysis and DNA analysis and its applications in criminal investigations
- Serology (the study of bodily fluids as evidence)
- Forensic entomology (using insects in investigations)

Biomedical science:

- Overview of the human body and its systems
- Aspects of respiration and maintaining life
- DNA and Genetic technologies
- Genetic Disease
- Ethical considerations in medical science and the role of medical professionals in society



### **Students Learn To**

Students learn to collect valid data for use as evidence, carry out techniques to analyse and evaluate sources of information, carry out accurate practical investigations and make judgements about the value of information.

### **Capabilities**

Upon completion of the course students will have developed an interest and enjoyment of science, a desire to attain factual knowledge and participate in lecture style learning, an ability to work collaboratively and a desire for development of critical thinking and problem solving skills.

### **Student Levy**

A levy of \$100 will be payable for the cost of *Forensic and Biomedical Science* investigations using unique kits and equipment.

Please contact Mrs Ashdown or Mr Doepel for more information.

## Industrial Technology Timber

### Course Structure

Emmanuel Anglican College offers Industrial Technology Timber for study in Year 9 as an Explore course for 5 periods a cycle.

### Course Description

This course is designed for students to develop their ability to work with timber as a resource. Through individual and group tasks, performed over a range of projects, this practical-based course delivers the relevant knowledge and skills needed by students to work with timber. Development of technology skills and information about career opportunities within this area are also important aspects of the course.



### Students Learn About

Students will learn about the design, production and evaluation of quality products, processes and the interrelationship of design with other areas of study. Students develop an appreciation for timber as a natural resource and its impact on the individual, society and the environment through the study of past, current and emerging technologies. Students also explore ethical, sustainable and responsible design, preferred futures and innovation through the study of industry specialists.

### Students Learn To

Students learn to be creative and innovative in the development and communication of solutions. They work as individuals and members of groups to identify, analyse and respond to needs through research and experimentation leading to the development of quality design projects. They learn about Work Health and Safety to manage and safely use a range of materials, tools and technologies to aid in the development of their projects. An *Industrial Technology Timber* student will critically evaluate their own work and the work of others. Individual design projects provide them with the opportunities to develop their skills through the use of a range of project development and management skills.

### Capabilities

Upon successful completion of *Industrial Technology Timber* students will be capable of:

- Critical and creative thinking
- Ethical understanding
- ICT capability
- Intercultural understanding
- Literacy
- Numeracy
- Basic hand and power tool operation
- Personal and social capability (collaboration and teamwork)



### Subject Levy

There will be a \$150 charge to cover the cost of materials.

Please contact Mrs Ashdown or Mr Mason for more information.

## Legal Matters

### **Course Structure**

Emmanuel Anglican College offers *Legal Matters* for study in Year 9 as an Explore course for 5 periods a cycle.



### **Course Description**

The *Legal Matters* course explores the interaction between society, politics and the legal system, with a focus on exploring the role and development of law in response to current issues. Students will learn how laws are made by parliament, special powers given to police to enforce the law and how laws are interpreted and upheld in the courts. A deep understanding of the role of police, the courts and parliament will be developed.

### **Students Learn About**

The course will focus on well known criminal cases, events and incidents. This course will allow for students to be the directors of their learning and make decisions, alongside the teacher, as to topics of study based on their interest. Areas of study include:

- Police powers (including a police officer presentation)
- The rights of teens and young offenders
- Court processes and personnel through Mock Trials, guest speakers and high profile trials
- Comparison of laws in Australia and overseas
- Case studies such as; gun laws and the Port Arthur Massacre (with a possible comparison study of the USA), Bali 9 (drug bust of Australians in Indonesia), anti-terrorism laws, Outlaw Motorcycle Gangs, Roger Rogerson (corrupt NSW cop) or illegal police strip searches during Splendor in 2016

### **Students Learn To**

There will be a focus on self directed learning toward an area of the law and forming opinions about the legal system. Students will learn how laws attempt to protect society, reflect society's values and morals, and deal with individuals or groups of individuals who deviate from the law.

### **Capabilities**

Upon completion of the course, students will have developed skills of inquiry, critical thinking, problem-solving and reasoning to make informed and ethical decisions and recommendations. They will have learnt how to work independently and in groups, communicate opinions, and develop an inquiring mind to explore and discuss concepts such as tensions between changing social values, justice and equitable outcomes.

### **Subject Levy**

A levy of \$75 will be payable for the cost of excursions/incursions.

Please contact Mrs Tonnet or Mr Malone for more information.

## Mathematics Acceleration

### Course Structure

Emmanuel Anglican College offers *Mathematics Acceleration* for study in Year 9 as a replacement for their normal Mathematics studies as well as an Explore course.

### Course Eligibility

This subject is only available to selected students by invitation only at the start of Year 9. Students identified by teachers as potential candidates will receive specific information about the program.

### Course Description

*Mathematics Acceleration* aims to develop and extend those students who have displayed significant potential and talent in the area of mathematics by completing the compulsory Year 9 and 10 mathematics courses throughout a single year instead of over 2 years. This would then allow these students to commence *Year 11 Mathematics* studies a year earlier.

This program demands commitment from parents and students for three continuous years. Students will complete the Record of School Achievement (ROSA) in Mathematics, Preliminary High School Certificate and the High School Certificate (HSC) in Mathematics under a modified time frame.

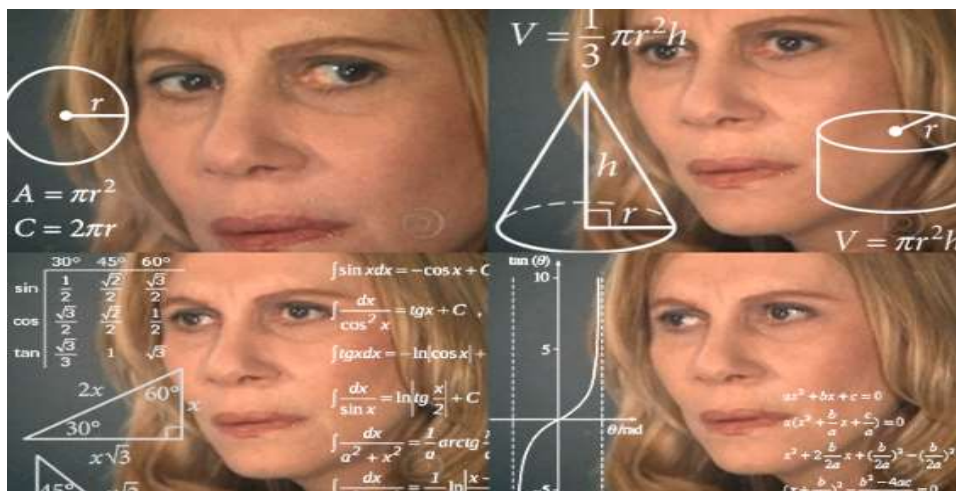
How the program works:

- In Year 9, students will work to complete the ROSA in Mathematics, completing all their Stage 5 content
- In Year 10, students commence the Preliminary HSC in Mathematics and Extension 1. This will be completed by the conclusion of Term 3, Year 10
- The HSC (Year 12 equivalent) begins in Term 4 of Year 10
- The remainder of the HSC course is completed in Year 11 with students sitting the exam in October

### Student Information

Students must be aware that the *Mathematics Acceleration* program will take the place of one of their single time electives, in addition to before school classes.

Please contact Mr Kiesewetter for more information.



## Music

### Course Structure

Emmanuel Anglican College offers *Music* for study in Year 9 as an Explore course for 5 periods a cycle.

### Course Description

This course is designed for students who have an interest in music as an art form. Stage 5 *Music* builds on the knowledge and experiences acquired from Stage Four *Music*. The aim of the course is to provide students with the opportunity to acquire the knowledge, understanding and skills necessary for active engagement and enjoyment in performing, composing, and listening, and to allow a range of music to have a continuing role in their lives. The course will provide an excellent platform for developing lateral thinking, collaboration, and creativity. These are important, transferable skills to any subject and the real world.



### Students Learn About

- The musical concepts within a variety of musical genres including Rock, Jazz, Blues, music of other cultures and Art Music
- The fundamentals of musical notation for use in composition and performance
- The use of technology for use in composition and performance
- The basic principles of sound engineering
- Music promotion



### Students Learn To

- Perform – through regular performance opportunities students will develop their solo and/or ensemble techniques
- Compose – by exploring, experimenting, improvising, organising, and arranging music, students will develop their compositional skills
- Listen – through the analysis and discussion of music within a variety of genres, students will establish an aural awareness about music



### Capabilities

Upon completion of the course, students will have developed skills regarding collecting, analysing and organising information, communicating ideas, planning and organising activities, collaboration, problem solving, numeracy, ICT skills, as well as musical performance, composition and listening skills.

### Subject Levy

A levy of \$75 will be payable for ongoing cost of purchase and maintenance of musical instruments and equipment.

Please contact Mr Holmes or Mr Cleverly for more information.



## Visual Arts

### Course Structure

Emmanuel Anglican College offers Visual Arts for study in Year 9 as an Explore course for 5 periods a cycle.



### Course Description

The Visual Arts course is designed to enable students to develop and enjoy art making, art history and art criticism. Students are exposed to a wide variety of art making approaches, while also studying various artworks and artists' practices in art history and art criticism. Students will build on the knowledge and experiences acquired from Stage Four Visual Arts.

### Students Learn About

Students learn about the practice of visual arts through a broad variety of exciting art making lessons. These lessons focus on the material and technical approaches to creating artworks. In Year 9 Visual Arts students make artworks in 2D, 3D and digital forms. Art theoretical elements are integrated into the practical lessons, and students can expect that most of their time in class will be spent art making.



### Students Learn To

In Visual Arts students learn to create meaningful artworks from a broad variety of materials that represent interests in their world. In art criticism and art history students learn to value and appreciate the significant contributions artists have made to our society.

### Capabilities

Upon successful completion of Visual Arts students will be capable of creating and developing their own pieces and bodies of work. They will apply themselves with intellectual autonomy, diligence and sustained effort to the set tasks and learning opportunities provided by the College. Students will also develop confidence for other areas of learning and life as the Visual Arts process enables risk taking and an understanding of design thinking.

### Subject Levy

A levy of \$75 will be payable for the cost of materials associated with various creative projects throughout the year.

Please contact Mr Raguse for more information.