

# STRIVE



Semester 2



Curriculum

Booklet

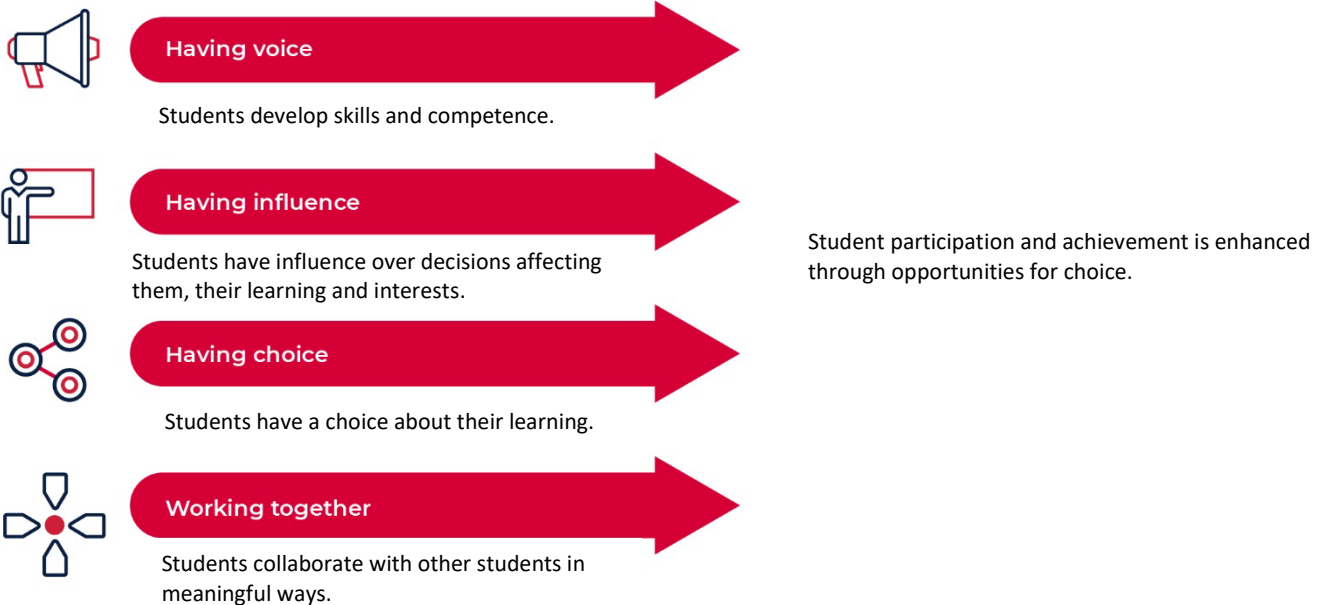


2024

## Principal's Introduction

As a school it is important that we focus on how a child is smart and not how smart a child is. To enable this, it is important that we offer a range of choices for students. Research has shown us that as students have a greater choice in their future direction, their engagement increases.

Offering a wide choice of subjects allows students the chance to achieve in areas of interest, but success goes far beyond subject choice.



The curriculum organisation described in this book provides such choice. More importantly, it also provides for:

- Units of Study which are in manageable amounts
- Placement at appropriate levels to suit personal performance
- A credential that accumulates results each half year
- Review of progress and adjustment to placement as the need arises.

All these benefits lead to maximum student success and confidence, which in turn fuel student effort for greater achievement.

The Pathways booklet and associated structure have been developed and implemented by staff with support from parents. Overall planning has been carried out by the executive staff in consultation with KLA'S. While sincere thanks are extended to all these dedicated people, their real reward will take the form of widespread student success.

I look forward to sharing the success of our students through the STRIVE program with parents and our wider community.

Mr Anthony Angel  
Principal



## ***What is Strive?***

This booklet is designed to provide you with all the information you need to make curriculum choices during Stage 5 (Years 9 & 10). This system is known as Strive.

Strive is designed to provide more choice and flexibility for students in the subjects they undertake in their study. Students are provided with the opportunity to undertake a wider variety of subjects, as the number of electives they can undertake increases. Flexibility increases as students are able to choose when they undertake each of the elective units being offered. Students will be able to choose their pattern of study before each semester. Semester 1 is Term 1 & 2. Semester 2 is Term 3 & 4.

To satisfy the requirements of the Record of School Achievement (ROSA) in Year 10, a recommended amount of time is set aside for a range of subjects. The mandatory core units each student will undertake ensures these minimum time requirements are met. In addition to a minimum amount of time being offered for each subject, students need to ensure that they engage in the learning activities offered within each course in a sustained and diligent manner. This means that they complete and submit all classwork and assessment tasks to a satisfactory standard.

Each subject will determine a grade (A – E) for each student to be recorded on their ROSA. This grade will be accumulated across the units undertaken in each course.

Each subject is divided into units. Each unit consists of four periods in a 2 week cycle, each period being 1 hour in length. Each student must successfully complete all Core units throughout the year but will be able to elect to do 4 separate elective units in each semester. The information which follows outlines the core and elective units.

### **Mandatory Core Units**

<b>English</b>	3 units must be completed in each year. One unit must be undertaken in one semester and two (2) in the other.
<b>Maths</b>	3 units must be completed in each year. One unit must be undertaken in one semester and two (2) in the other.
<b>Science</b>	3 units must be completed in each year. One unit must be undertaken in one semester and two (2) in the other.
<b>HSIE</b>	3 units must be completed in each year. One unit must be undertaken in one semester and two (2) in the other.
<b>PDHPE</b>	2 units must be completed in each year. One unit must be undertaken in each semester.
<b>Sport</b>	Participation in school sport on a Thursday afternoon will remain compulsory for all students to meet mandatory requirements.

### **Elective Units**

Each student will be able to elect from a wide variety of elective units each semester. Students who complete 3 units within a subject, across Years 9 & 10, will meet the requirements to have a **100 hour course** to be added to their Record of School Achievement. Students who complete 5 units of a subject across Years 9 & 10, will meet the requirements of a **200 hour course**. Achievement in each course will be tracked across their achievement within each unit undertaken.

## Sample Patterns of Study

### Student A

Chosen to have a balanced pattern of study across Semester 1 and 2. This pattern of study is recommended for all students. In this example the student is completing 2 English units and 2 Science Units in Semester 1, and 2 HSIE units and 2 units of Maths in Semester 2.

Semester 1	Semester 2
English Unit 1	English Unit 3
English Unit 2	Maths Unit 2
Maths Unit 1	Maths Unit 3
Science Unit 1	Science Unit 3
Science Unit 2	HSIE Unit 2
HSIE Unit 1	HSIE Unit 3
PDHPE Unit 1	PDHPE Unit 2
Elective Unit 1	Elective Unit 5
Elective Unit 2	Elective Unit 6
Elective Unit 3	Elective Unit 7
Elective Unit 4	Elective Unit 8

### Student B

In this example the student is completing 2 Maths units and 2 Science Units in Semester 1, and 2 HSIE units and 2 units of English in Semester 2.

Semester 1	Semester 2
English Unit 1	English Unit 2
Maths Unit 1	English Unit 3
Maths Unit 2	Maths Unit 3
Science Unit 1	Science Unit 3
Science Unit 2	HSIE Unit 2
HSIE Unit 1	HSIE Unit 3
PDHPE Unit 1	PDHPE Unit 2
Elective Unit 1	Elective Unit 5
Elective Unit 2	Elective Unit 6
Elective Unit 3	Elective Unit 7
Elective Unit 4	Elective Unit 8



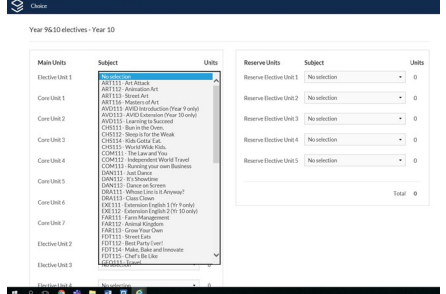
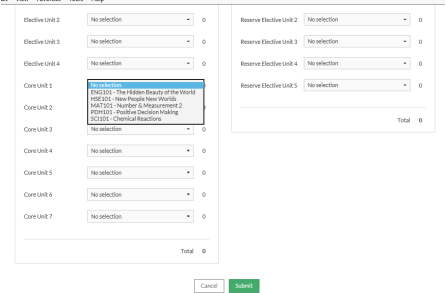
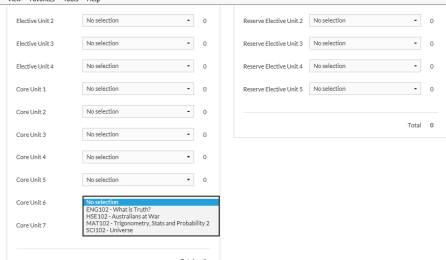
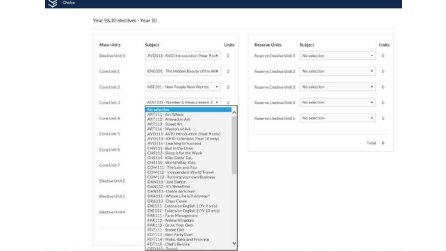
## Choosing subjects

To meet the requirements of the NSW Education Standards Authority (NESA) and the Department of Education students need to complete a minimum amount of time in the core subjects of English, HSIE, Maths, PDHPE and Science. When picking subjects students are able to choose whether they undertake 2 of units in Semester 1 or semester 2 (except PDHPE which has 1 unit in each semester). The tables above show how this might look for each semester with different choices.

The focus of the STRIVE program is providing more choice. When making your subject selections you will be asked to pick your top elective unit first. This raises the priority of these and means the computer program places these first and the Core units after. When using this booklet you need to be aware of which units are being run in each semester. Some run in both, others just in Semester 1 or 2. **If you choose electives that**

**you have undertaken already you will be asked to resubmit your choices with uncompleted units only.** If a significant number of students choose a particular course, this will be offered multiple times across the week. As is normally the case with elective choices, it is student choice that determines which classes run based on the number of students who elect each course. As a result students are asked to enter 5 reserve elective units so that where a subject is not being offered these reserve choices become active for them.

After choices are entered, the timetable program will allocate students to units and classes. Where a student's choices are not matched by what is being offered each semester, students will meet with a curriculum adviser and be able to pick from subjects that are being offered.

	<p>You will be given a code on sheet. Enter the address into the web browser and then enter your unique code into the space and click onto the Sign In bar.</p>
	<p>You will need to click on the open for submission link on the STRIVE Semester 2 electives box.</p>
	<p>The first choice you are asked to make is your most preferred elective unit. It will appear in the list in order of their codes and you can scroll down the list to find the unit you have chosen. It is important that you make sure you pick this as the one you most want to do. <b>YOU SHOULD NOT CHOOSE UNITS YOU ARE ALREADY DOING.</b></p>
	<p>After completing the first elective you will be asked to pick each of the 5 Core units which must be undertaken in the semester. While the order you pick these is not important, you need to pick each one. By having these as choices rather than just putting you into classes there is a great deal more flexibility to provide you with the electives you want to do.</p>
	<p>After choosing your 5 compulsory core units you will be asked to pick 2 other core units. You are already completing 2 of these during Semester 1. <b>YOU NEED TO CHOOSE THE 2 YOU ARE NOT CURRENTLY DOING TO UNDERTAKE DURING SEMESTER 2.</b></p>
	<p>After all the compulsory units are added you will then be able to pick your next 3 elective units. It is very important that you make sure you pick these in preference order. <b>YOU SHOULD NOT CHOOSE UNITS YOU HAVE ALREADY DONE.</b></p>

Year 9&10 electives - Year 10

Main Units	Subject	Units	Reserve Units	Subject	Units
Elective Unit 1	No selection	0	Reserve Elective Unit 1	ART122 - Visual Design	0
Elective Unit 2	No selection	0	Reserve Elective Unit 2	ART121 - Art Abacus	0
Elective Unit 3	No selection	0	Reserve Elective Unit 3	ART124 - Masters of Art	0
Elective Unit 4	No selection	0	Reserve Elective Unit 4	ART123 - Art Installation (Year 9 only)	0
Core Unit 1	No selection	0	Reserve Elective Unit 5	AUC111 - Learning to Succeed	0
Core Unit 2	No selection	0			
Core Unit 3	No selection	0			
Core Unit 4	No selection	0			
Core Unit 5	No selection	0			
Core Unit 6	No selection	0			
Core Unit 7	No selection	0			

The final step in the selection process is to pick reserve elective units. These will be used to fill up the electives if your first choices are not running or are being run at the same time. Once again you need to ensure that you pick these in the order that you prefer to do them. You are asked to pick up to 5 reserve units. If you have gaps in your pattern of study, you will meet with a teacher to discuss the options available for you. **YOU SHOULD NOT CHOOSE UNITS YOU HAVE ALREADY DONE.**

## Core Units

Year 9	Compulsory Units (Core)	Semester 1	Semester 2
<b>English</b>	ENG901 - Poetic Purpose ENG902 - Australian Identities ENG903 - Shining a New Stage Light	✓ ✓ X	X ✓ ✓
<b>HSIE</b>	HSE901 - Sustaining Our World HSE902 - The Urban Jungle HSE903 - New People New Worlds	✓ ✓ X	X ✓ ✓
<b>Maths (Mainstream)</b>	MAT901 - 2D Spatial Relations MAT902 - Uncertainty MAT903 - Linear Relationships	✓ ✓ X	X ✓ ✓
<b>Maths (Advanced stream)</b>	MAA901 - 2D Spatial Relations (Advanced) MAA902 - Uncertainty (Advanced) MAA903 - Linear Relationships (Advanced)	✓ ✓ X	X X ✓
<b>PDHPE</b>	PDH901 - All About You PDH902 - Nutrition and Wellbeing	✓ X	X ✓
<b>Science</b>	SCI901 - Ecosystems and Change SCI902 - Light, Sound and Motion SCI903 - Earth	✓ ✓ X	X ✓ ✓

Year 10	Compulsory Units (Core)	Semester 1	Semester 2
<b>English</b>	ENG101 - The Hidden Message ENG102 - Text to Film ENG103 - Senior Bootcamp	✓ ✓ X	X ✓ ✓
<b>HSIE</b>	HSE101 - Diversity and Difference HSE102 - Australians at War HSE103 - Rights and Freedoms	✓ ✓ X	X ✓ ✓
<b>Maths (Mainstream)</b>	MAT101 - Spatial & Algebraic Relations MAT102 - Non-Linear Relationships MAT103 - 3D Spatial Relations & Multiplicative Thinking	✓ ✓ X	X ✓ ✓
<b>Maths (Advanced stream)</b>	MAA101 - Spatial & Algebraic Relations (Advanced) MAA102 - Non-Linear Relationships (Advanced) MAA103 - 3D Spatial Relations & Multiplicative Thinking (Advanced)	✓ ✓ X	X X ✓
<b>PDHPE</b>	PDH101 - My Now, My future PDH102 - Healthy Youth	✓ X	X ✓
<b>Science</b>	SCI101 - Chemical Reactions SCI102 - Universe SCI103 - Evolution and Heredity	✓ ✓ X	X ✓ ✓

# Elective Units

Course	Elective Units	Fee	Semester 1	Semester 2
<b>AVID</b>	AVD111 - AVID Introduction (Year 9 AVID students only)	Nil	✓	X
	AVD112 - AVID Expansion (Year 9 AVID students only)	Nil	X	✓
	AVD113 - AVID Extension (Year 10 AVID students only)	Nil	✓	X
	AVD114 - AVID Consolidation (Year 10 AVID students only)	Nil	X	✓
	AVD115 - Learning to Succeed	Nil	✓	✓
<b>Child Studies</b>	CHS111 - Bun in the Oven.	\$15	✓	X
	CHS112 - Sleep is for the Weak	\$15	✓	✓
	CHS113 - Play, Learn, Grow	\$15	X	✓
	CHS114 - Kids Gotta' Eat	\$15	✓	X
	CHS115 - World Wide Kids.	\$15	✓	✓
	CHS116 - Learn it to Earn it	\$15	X	✓
<b>Commerce</b>	COM111 - The Law and You	Nil	✓	✓
	COM112 - Independent World Travel	Nil	✓	✓
	COM113 - Running your own Business	Nil	✓	✓
	COM114 - How to Make Money Fast	Nil	✓	✓
	COM115 - Marketing	Nil	X	✓
<b>Dance</b>	DAN112 – Bring It On	\$10	✓	X
	DAN113 – Step Up	\$10	X	✓
<b>Drama</b>	DRA111 - Whose Line Is It Anyway?	Nil	✓	X
	DRA112 - Working Out Your Excess Energy in Easy Steps	Nil	X	✓
	DRA113 - Class Clown	Nil	✓	X
	DRA114 - Behind the Curtain	Nil	X	✓
<b>English</b>	ENG111 - Extension English (Year 10 only)	Nil	✓	✓
	ENG112 – How to Get Away With Murder	Nil	✓	✓
<b>Entertainment Industry</b>	ENT111 - Safe and Sound	\$20	✓	✓
<b>Food Technology</b>	FDT111 - Street Eats	\$30	✓	X
	FDT112 - Best Party Ever!	\$30	✓	✓
	FDT113 - Food for the Win	\$30	X	✓
	FDT114 - Make, Bake and Innovate	\$30	✓	X
	FDT115 - Chef's Be Like	\$30	✓	✓
	FDT116 - Fashionable Food	\$30	X	✓
	FDT117 - Outdoor Foodies	\$30	✓	✓
	FDT118 – Advanced Food Technology (Year 10 only)	\$30	X	✓
<b>Geography</b>	GEO111 - Travel	Nil	✓	X
	GEO112 - Oceanography	Nil	X	✓
	GEO113 - Unique Global Environments and Places	Nil	X	✓
	GEO114 - Geography Mysteries	Nil	✓	X
	GEO115 - Mining Gold from Australia's Resources	Nil	✓	✓
<b>Graphics Technology</b>	GRA113 - Computer Aided Manufacture (3D)	\$10	✓	✓
	GRA114 - Computer Aided Drawing and Design (OnShape)	\$10	✓	✓
	GRA116 - Photo, Video and Animation (Multimedia)	\$10	✓	✓
<b>History</b>	HIS111 - Ancient Mythology	Nil	✓	✓
	HIS112 - Disasters that changed the World	Nil	✓	✓
	HIS113 - Sport and Recreation	Nil	X	✓
	HIS114 - All Roads lead to Rome	Nil	X	✓
<b>Industrial Technology - Engineering</b>	ITG112 - The Need For Speed (Transportation)	\$15	✓	✓
	ITG113 - Build a Bridge & Get Over It (Engineering structures)	\$15	✓	✓
	ITG114 - Futuristic Manufacturing (STEM Machine technologies)	\$15	✓	✓

<b>Industrial Technology - Metal</b>	ITM111 - Build a Barbeque!	\$25	✓	✓
	ITM112 - Jewellery Making	\$25	✓	✓
<b>Industrial Technology - Timber</b>	ITT112 - Woodworking Beginners	\$25	✓	X
	ITT114 - Dovetails, Dowels and Dados (Games Box)	\$25	✓	✓
	ITT115 - Tenons, Turning and Tapers (Pens, Chopping Board & Nut Bowl)	\$25	✓	✓
	ITT116 - Woodworking Advanced (Year 10 only – Dart Board)	\$25	X	✓
<b>Language</b>	LAN111 - Clothing and Fashion (Japanese)	Nil	✓	X
	LAN112 - Travel in Japan (Japanese)	Nil	✓	X
	LAN113 - Cultural Influences in Japan (Japanese)	Nil	X	X
	LAN114 - Hopes and Dreams (Japanese)	Nil	X	X
	LAN115 - Food and Drink (Chinese)	Nil	✓	X
	LAN116 - Introduction to Aboriginal Languages and Culture	Nil	✓	✓
<b>Marine Studies</b>	MAR111 - Dangerous Marine Creatures	\$5	✓	✓
	MAR112 - Marine Water Sports	\$5	✓	X
	MAR113 - Salt Water Aquariums and Aquaponics	\$5	✓	X
	MAR114 - Shipwrecks and the Abyss	\$5	X	✓
	MAR115 - Marine Mysteries	\$5	X	✓
	MAR116 - Fishing	\$5	✓	✓
<b>Mathematics</b>	MAT111 - Maths Tutorial	Nil	✓	✓
	MAT112 – Networks & Statistical Enquiry (Year 9 only)	Nil	X	✓
	MAT113 – Further Algebra, Equations & Trig (Year 10 only)	Nil	X	✓
<b>Motivate 2 STRIVE</b>	MTS111 - Assessment Support 1	Nil	✓	X
	MTS112 - Assessment Support 2	Nil	X	✓
<b>Music</b>	MUS111 - Music, Music, Music	Nil	✓	X
	MUS115 - Mix Masters	Nil	X	✓
<b>Outdoor Education</b>	ODE111 - The Great Outdoors	\$20	✓	X
	ODE112 - Outdoor Expedition	\$20	X	✓
<b>PASS - Physical Activity and Sports Studies</b>	PAS111 - The Body In Motion	\$10	✓	X
	PAS112 - Sporting Nation	\$10	X	✓
	PAS113 - Sport Leadership	\$10	✓	X
	PAS114 - Improving Performance	\$10	X	✓
	PAS115 - Active Lifestyles	\$10	✓	✓
	PAS116 - Football codes	\$10	✓	X
<b>Science</b>	SCI111 - Science Magic	Nil	✓	X
	SCI112 - Wizz, Bang, Pop	Nil	X	✓
	SCI113 - Bionics and the Body	Nil	X	✓
	SCI114 - Rocks, Rocks, Rocks	Nil	✓	X
	SCI115 - From the Big Bang to Life	Nil	✓	X
	SCI116 - From Early Humans to the Future	Nil	X	✓
<b>Visual Art</b>	ART111 - Art Attack	\$20	✓	X
	ART112 - Animation Art	\$10	✓	X
	ART113 - Street Art	\$20	✓	X
	ART114 - Culture Kings	\$25	X	✓
	ART115 - Choose Your Own ARTventure	\$10	X	✓
	ART116 - Masters of Art	\$20	X	✓
<b>Work Education</b>	WKS111 - Construction Employment Pathways	\$10	✓	X
	WKS112 - Business & Retail Employment Pathways	\$10	✓	X
	WKS113 - Health Employment Pathways	\$10	✓	X
	WKS114 - Childcare Employment Pathways	\$10	X	✓
	WKS115 - Defence Employment Pathways	\$10	X	✓
	WKS116 - Hospitality Employment Pathways	\$10	X	✓
	WKS117 - 2.0 Employment Pathways	\$10	✓	✓



# English

## Compulsory Year 9 Units

### ENG901 – Yr 9 Unit 1 – Poetic Purpose

(This unit must be completed in Semester 1)

Students will develop their appreciation of how poetry allows composers to experiment with language, form and style for a specific purpose and audience. Students will study a collection of poems by a range of authors and analyse the way the texts affirm or challenge diverse and complex perspectives and experiences. They will evaluate how poetry prompts responders to reflect, make connections and expand their understanding of others and the world.

### ENG902 – Yr 9 Unit 2 – Australian Identities

(This unit must be completed in either Semester 1 or 2)

Students will deepen their understanding of how language forms and features are used in narrative. They will compose an imaginative response that represents a thematic concern. This imaginative piece could use hybrid forms of narrative. Students will experiment with narrative code and convention. This will help them to craft their ideas with the intention of positioning their audience.

### ENG903 – Yr 9 Unit 3 – Shining a New Stage Light

(This unit must be completed in Semester 2)

Students will deepen their understanding of how a composer's context shapes their perspectives and representations. Through engaging with a drama text, students will evaluate how and why drama is a compelling way to represent ideas, experiences and stories. Students will interpret the perspectives presented through the drama script and analyse how the playwright communicates powerful ideas.

## Compulsory Year 10 Units

### ENG101 – Yr 10 Unit 1 – The Hidden Message

(This unit must be completed in Semester 1)

In this unit, students will engage with a substantive literary text with a focus on textual analysis. Students will develop their understanding of how narrative forms and features impact textual meaning. By exploring exemplary texts such as *Animal Farm*, students will deepen their comprehension of the codes and conventions inherent in literary works, enhancing their abilities to analyse and discuss complex narratives.

### ENG102 – Yr 10 Unit 2 – Text to Film

(This unit must be completed in either Semester 1 or 2)

Students explore the screen play of *The Sapphires* and compare and contrast this textual form with its cinematic version. Students will consider how both texts reflect the codes and conventions of a comedic musical, in order to develop their understanding of the way form and genre shapes representation. They are encouraged to think critically about how characters and textual issues are perceived in texts. Students analyse the conventions and selected key scenes from both texts to think critically about our current world and to consider possibilities for our future.

### ENG103 – Yr 10 Unit 3 – Senior Bootcamp

(This unit must be completed in Semester 2)

In this unit, Year 10 students will engage in an intensive exploration of various perspectives through discursive responses and poetry. Students will develop their communication skills, critical thinking abilities, and cultural understanding while collaboratively working on a portfolio project. Through analysing texts, discussing values, and making decisions, students will deepen their comprehension of diverse viewpoints and cultural practices. The unit will culminate in the creation of a comprehensive portfolio that showcases students' discursive responses and original poetry, accompanied by reflective evaluations.

# HSIE

## (Human Society and Its Environment)

### Compulsory Year 9 Units

**HSE901 – Yr 9 Unit 1 - Sustaining Our World** (This unit must be completed in Semester 1)

Students examine the physical characteristics and productivity of biomes. They also develop an understanding of the functioning of the environment and how we can effectively manage them.

**HSE902 – Yr 9 Unit 2 - The Urban Jungle** (This unit must be completed in either Semester 1 or 2)

Students examine the patterns and trends in population movements and the increasing urbanisation of countries. Students also investigate the impact of environmental challenges on these urban environments.

**HSE903 – Yr 9 Unit 3 - New People, New Worlds** (This unit must be completed in Semester 2)

This unit offers an in depth look into the making of the Modern World. Two depth studies are explored The Industrial Revolution and its impact on the movement of peoples throughout the world, including the transatlantic slave trade.

### Compulsory Year 10 Units

**HSE101 – Yr 10 Unit 1 - Diversity and Difference** (This unit must be completed in Semester 1)

Students learn about the nature of and differences in human wellbeing and development that exist within and between countries. They examine the issues affecting development and the initiatives to improve wellbeing.

**HSE102 – Yr 10 Unit 2 - Australians at War** (This unit must be completed in either Semester 1 or 2)

This unit of study focuses on Australia's involvement in WWI and WWII. Students explore various aspects such as the causes of both wars, the nature of warfare, the Australian Campaign, Women in Wartime and the Western Front.

**HSE103 – Yr 10 Unit 3 - Rights and Freedoms** (This unit must be completed in Semester 2)

This unit is a study of Australia's struggle for Indigenous peoples fight for Rights and Freedoms. Students explore various concepts of civil rights and activism, the experiences of the Stolen Generation, the US civil rights movement and its impact on Australia. A decade study in Australia is also completed exploring themes of fashion, trends, technology, events and their impact on Australian Society.

# Mathematics (Year 9)

The Mathematics Faculty is offering students the opportunity to undertake Advanced units in Mathematics in Year 9. Students who should choose these units will receive an invitation and information sheet from their teacher prior to the subject selection evening. Please choose your Maths electives carefully.

## **Compulsory Year 9 Units (Mainstream)**

### **MAT901 – Yr 9 Unit 1 – 2D Spatial Relations**

(This unit must be completed in Semester 1)

In this unit students will look at Geometrical Representations and Working with Triangles. Geometrical representations look at identifying the properties of similar figures and using ratio and scale factors. Working with Triangles investigates trigonometry and coordinate geometry of midpoints and gradient on the Cartesian plane.

### **MAT902 – Yr 9 Unit 2 - Uncertainty**

(This unit must be completed in either Semester 1 or 2)

In this unit students will look at concepts around uncertainty through multistage events involving independent and dependant events, comparing data sets through a range of statistical measures and correlations involving bivariate data.

### **MAT903 – Yr 9 Unit 3 – Linear Relationships**

(This unit must be completed in Semester 2)

In this course students will investigate linear relationships in a variety of contexts including Financial Mathematics in the form of investing through simple interest and Coordinate Geometry on the Cartesian number plane.

## **Compulsory Year 9 Units (Advanced stream)**

### **MAA901 – Yr 9 Unit 1 - 2D Spatial Relations (Advanced)**

(This unit must be completed in Semester 1)

This unit is designed for advanced students. It will look at Geometrical Representations and Working with Triangles. Geometrical representations look at identifying the properties of similar figures and using ratio and scale factors. Working with Triangles investigates trigonometry and coordinate geometry of midpoints and gradient on the Cartesian plane. Students taking this course are expected to take MAA902 in semester 1 and MAA903 in semester 2 and encouraged to select MAT112 in semester 2.

### **MAA902 – Yr 9 Unit 2 - Uncertainty (Advanced)**

(This unit must be completed in Semester 1)

This unit is designed for advanced students. In this course students will look at concepts around uncertainty through multistage events involving independent and dependant events, comparing data sets through a range of statistical measures and correlations involving bivariate data. Students taking this course are expected to take MAA901 in semester 1 and encouraged to select MAT112 in semester 2.

### **MAA903 – Yr 9 Unit 3 - Linear Relationships (Advanced)**

(This unit must be completed in Semester 2)

This unit is designed for advanced students. In this course students will investigate linear relationships in a variety of contexts including Financial Mathematics in the form of investing through simple interest and Coordinate Geometry on the Cartesian number plane. Students taking this course are encouraged to also select MAT112 in semester 2.

# Mathematics (Year 10)

The Mathematics Faculty is offering students the opportunity to undertake Advanced units in Mathematics in Year 10. Students who should choose these units will receive an invitation and information sheet from their teacher prior to the subject selection evening. Please choose your Maths electives carefully.

## **Compulsory Year 10 Units (Mainstream)**

**MAT101 – Yr 10 Unit 1 - Spatial & Algebraic Relations** (This unit must be completed in Semester 1)

In this unit students will have the opportunity to learn about concepts including trigonometry via surveying. Algebra concepts of equations, indices and algebraic fractions will also be investigated.

**MAT102 – Yr 10 Unit 2 – Non-Linear Relationships** (This unit must be completed in either Semester 1 or 2)

In this unit students will look at relationships that are not linear by nature. Financial Mathematics concepts of compound interest and depreciation along with investigating parabolas and the relevant algebra skills will be covered.

**MAT103 – Yr 10 Unit 3 – 3D Spatial Relations and Multiplicative Thinking**

(This unit must be completed in Semester 2)

In this unit students will look at measurement concepts around prisms and cylinders including surface area and volume. Multiplicative content is comprised of index laws and how they can be used in the mathematical world.

## **Compulsory Year 10 Units (Advanced stream)**

**MAA101 – Yr 10 Unit 1 - Spatial & Algebraic Relations (Advanced)** (This unit must be completed in Semester 1)

This unit is designed for advanced students. In this course students will have the opportunity to learn about concepts including trigonometry via surveying. Algebra concepts of equations, indices and algebraic fractions will also be investigated. Students taking this course are expected to take MAA102 in semester 1 and MAA103 in semester 2 and encouraged to select MAT113 in semester 2.

**MAA102 – Yr 10 Unit 2 - Non-Linear Relationships (Advanced)** (This unit must be completed in Semester 1)

This unit is designed for advanced students. In this course students will look at relationships that are not linear by nature. Financial Mathematics concepts of compound interest and depreciation along with investigating parabolas and the relevant algebra skills will be covered. Students taking this course are expected to take MAA101 in semester 1 and encouraged to select MAT113 in semester 2.

**MAA103 – Yr 10 Unit 3 - 3D Spatial Relations and Multiplicative Thinking (Advanced)**

(This unit must be completed in Semester 2)

This unit is designed for advanced students. In this course students will look at measurement concepts around prisms and cylinders including surface area and volume. Multiplicative content is comprised of index laws and how they can be used in the mathematical world. Students taking this course are encouraged to also select MAT113 in semester 2.



# PDHPE

## (Personal Development, Health and Physical Education)

### Compulsory Year 9 Units

#### PDH901 – Yr 9 Unit 1 - All About You

(This unit must be completed in Semester 1)

Theory units are The Best of You in Term 1, exploring issues around self-identity, resilience and overcoming adversity. The Term 2 unit is Let's talk about Sex, where we discuss relationships and sexual health issues including consent, STIs and methods of contraception. Practical units follow the sequence of Athletics, Fundamental Movement Skills and Fitness goals, with Invasion Games (Touch Football & Ultimate Frisbee) and Dance addressed in Term 2.

#### PDH902 – Yr 9 Unit 2 - Nutrition and Wellbeing

(This unit must be completed in Semester 2)

Theory units are Food for Thought, where we investigate issues around nutrition and dietary balance, and Lifetime Health and Wellbeing where we explore how to maintain positive health practices in our future years. Practical units are Court and Net Games, (Basketball & Volleyball) followed by Striking Games (Softball) and Recreational Activities.

### Compulsory Year 10 Units

#### PDH101 – Yr 10 Unit 1 – My Now, My Future

(This unit must be completed in Semester 1)

Theory Units are Road Safety & Alcohol and Drug Issues in Term 1, exploring the skill required to keep ourselves safe in these contexts. The Term 2 is Future Focus, where we explore responsibilities of adulthood, along with transitioning into the work force. Practical units follow the sequence of Athletics, Initiative & Challenge games, Gymnastics, Invasion Games (AFL & Soccer) and Cultural activities.

#### PDH102 – Yr 10 Unit 2 – Healthy Youth

(This unit must be completed in Semester 2)

Theory units are Mental Health and Wellbeing in Term 3, where we investigate current issues and a range of coping strategies for young people. In Term 4 we do Health Advocacy, where students explore health issues for young people and our ability to access health services. Practical units are Court and Net games, (Netball & Badminton/Tennis) followed by Striking Games (Cricket) and Lifelong Physical Activities to close the year.

# Science

## Compulsory Year 9 Units

### SCI901 – Yr 9 Unit 1 - Ecosystems and Change

(This unit must be completed in Semester 1)

This unit explores the dynamic nature of a range of the Earth's many different ecosystems. The ways in which complex multi-cellular organisms can maintain equilibrium and respond to changes in the environment, while being in a constant state of change are investigated. The flow of energy and matter through organisms and whole ecosystems is further explored.

### SCI902 – Yr 9 Unit 2 - Light, Sound and Motion

(This unit must be completed in either Semester 1 or 2)

The wave and particle models are used as a unifying theme linking several physical phenomena and processes. This unit begins with an exploration of processes involving the transfer of heat. The importance of sound and light as organisms sense the world around them through hearing and vision. Light as a form of electromagnetic radiation, and static and circuit electricity are investigated. Energy transfers and transformations are explored in the context of moving objects in Motion. The principal of energy conservation and laws of physics, such as Newton's laws, are used to explain the behaviour of moving objects in the presence of unbalanced forces. The concepts of work and energy degradation, particularly in processes involving the transfer of heat, are explored in the context of societal energy use and demand.

### SCI903 – Yr 9 Unit 3 – Earth

(This unit must be completed in Semester 2)

This unit explores the Earth's structure and climate through a systems-based approach. The process of plate tectonics is investigated leading to an understanding of how continental and oceanic features of the Earth came about. The Earth's climate is investigated, both as a system of interactions involving the biosphere, lithosphere, hydrosphere and atmosphere. It is also explored as a complex social issue with respect to human effects on the Earth's oceans and atmosphere.

## Compulsory Year 10 Units

### SCI101 – Yr 10 Unit 1 - Chemical Reactions

(This unit must be completed in Semester 1)

This unit extends students' experience and understanding of atoms and atomic structure and its relationship to chemical processes. A range of chemical reactions, including combustion and reactions of acids, are studied and students learn to represent these using chemical symbols, formulae and equations. Students are also introduced to some nuclear reactions and the radiation they produce. The importance of energy transfer in all these processes is emphasized. Rates of reactions and energy transfer are also investigated. Properties and reactivity of elements are related to their position in the periodic table and their atomic structure. The importance of many chemical reactions and processes to society is highlighted.

### SCI102 – Yr 10 Unit 2 – Universe

(This unit must be completed in either Semester 1 or 2)

This unit explores several contemporary areas of science experiencing substantial new discoveries with the development of new ideas, such as the Big Bang Theory. Major features of the visible universe, including galaxies stars and our solar system, are investigated. This unit also explores how, in some cases, these advances involve large, international teams and significant funding. It also investigates how advances in telescopes and other technologies are transforming the way we think of our place in the universe. The unit concludes with an exploration of the interaction between advancing science and social policy and ethics.

### SCI103 – Yr 10 Unit 3 - Evolution and Heredity

(This unit must be completed in Semester 2)

This unit explores how the diversity of living things on Earth is explained through the theory of evolution by natural selection. Changes to DNA and genes through mutations are identified as a source of genetic variation. The mechanism of sexual reproduction is investigated as a process essential for passing heritable characteristics from one generation to the next, enabling the inheritance of a unique set of characteristics from both parents while maintaining genetic variation in the population. Advances in biotechnology are also explored.

# AVID

## (Advancement Via Individual Determination)

### **AVD111 - AVID Introduction**

(Year 9 Semester 1 - AVID students only)

In this unit, students will refine their skills and knowledge of WICOR strategies to achieve learning success in all of their school subjects. Students will also be supported to set both academic and personal goals and will also engage with a range of guest speakers and university excursions to enhance their tertiary and work readiness. Students will also learn to solve their points of confusion (POCs) through their engagement in the 10 steps of the AVID Tutorial Process with university tutors once a week.

### **AVD112 - AVID Expansion**

(Year 9 Semester 2 - AVID students only)

In this unit, students will continue to expand on their repertoire of WICOR strategies to achieve and maintain learning success in all of their school subjects. Throughout this unit, students will continue to engage with a range of guest speakers and university excursions to enhance their tertiary and work readiness. With a focus on success in assessment, students will also work to solve their increasingly complex points of confusion (POCs) through their engagement in the 10 steps of the AVID Tutorial Process with university tutors once a week.

### **AVD113 - AVID Extension**

(Year 10 Semester 1 - AVID students only)

In this unit, students will extend their knowledge of WICOR strategies by engaging in a range of whole school and community projects. Students will also learn a range of effective study strategies and they will reflect on their achievement in past years to set and monitor goals. Throughout this unit, students will continue to engage with a range of guest speakers and university excursions to enhance their tertiary and work readiness. With a focus on success in assessment, students will also use their knowledge of the tutorial process to learn how to engage in Collaborative Study Groups (CSG's) which they will use in Stage 6 and beyond.

### **AVD114 - AVID Consolidation**

(Year 10 Semester 2 - AVID students only)

In this unit, students will consolidate their learning over the past three years to support them to achieve academic success in Stage 6 and beyond. Students will also engage with effective study strategies as well as key organisational skills and tools for HSC success. Throughout this unit, students will continue to engage with a range of guest speakers and university excursions to enhance their tertiary and work readiness. Students will also engage in Collaborative Study Groups (CSG's) with university tutors once a week.

### **AVD115 - Learning to Succeed**

(Open to all students)

In this unit, students will learn strategies, skills and knowledge that will help them to be 'HSC, University and/or Work Ready'. To immerse students in the realities of university and work life, they will engage in a range of university and workplace excursions and will also be exposed to a range of career and guest speakers. Students will learn 'How' to study and learn effectively and will also be supported to set both academic and personal goals which will help them to achieve HSC, Work and University success.

# Child Studies

## **CHS111 - Bun in the Oven**

(Semester 1 only)

Students will discover the stages of pregnancy, the changes a female body will go through during this experience and changes to lifestyle once a person becomes pregnant. Discover all the different stages including baby's first scan, gender reveal and the different types of birth that are available.

## **CHS112 - Sleep is for the Weak**

Students will discover the importance of looking after a newborn; from the first few days of life, to the basic daily needs, e.g. bathing, sleeping, settling, feeding and hygiene. Students will gain experience with the virtual baby program, where they will have the option to look after one of the virtual babies that are used for the Child Studies Program. Students will also gain an understanding of the growth and development of the newborn child.

## **CHS113 - Play, Learn, Grow**

(Semester 2 only)

Students will develop an understanding of how a child learns and develops through play. A child's skills develop rapidly while they are young, and this is explored in the unit. Students learn the importance of play-based learning and explore its value to the development of the child. Students will be able to outline the characteristics of effective and enjoyable play and investigate how play can support inclusion and provide opportunities for children to build and contribute to cohesive groups, e.g. promoting fairness, taking turns.

## **CHS114 - Kids Gotta' Eat**

(Semester 1 only)

Plan, design, experiment and cook with food to create meals and snacks for kids. Find out why nutrition is so important for a growing child and how to get kids eating healthy.

## **CHS115 - World Wide Kids**

Pregnancy belly and virtual babies will be used in this unit. Learn about the influence of culture on the health and wellbeing of children and recognise that all children have strengths, and talents, and the potential to learn and develop given the appropriate opportunities.

## **CHS116 - Learn it to Earn it**

(Semester 2 only)

Students will be able to identify the range of childcare services available and assess their suitability. There will be opportunities to visit local childcare establishments and discover the work duties involved in working at one of these centres.



# Commerce

## **COM111 - The Law and You**

Do you know your legal rights and responsibilities as an Australian citizen? Students explore Australia's legal system, learning about the need for laws and how laws are created. They also develop their understanding of the impact of law on individual and society. Students learn about their rights with online purchases and rights within contracts.

## **COM112 - Independent World Travel**

Open up a world of travel! Students learn how to be informed and financially savvy travellers, gaining the knowledge to independently plan trips, organise an itinerary and travel budgets. They investigate about potential issues when travelling and what to do if they occur. Students will also gain the essential skills necessary to live independently, such as finding somewhere to live and managing their finances.

## **COM113 - Running Your Own Business**

Ever wondered what it would be like to run your own business? Students will have hands on experience to develop the knowledge and skills needed to develop products, market them effectively and sell them to turn a profit. Students will be provided with the opportunity to trade as their own business at school.

## **COM114 - How to Make Money Fast**

Money, money, money! Students learn about the range of investment options and how they make wise investment decisions to make money. They learn the seven principles to investing wisely. They also learn about managing finances when running a business to maximise profits.

## **COM115 - Marketing**

(Semester 2 only)

Students investigate the promotion and selling of goods and services including social, ethical and environmental considerations. They analyse the strategies that sellers use to promote products and maximise sales, and evaluate the impact on consumers. Students develop and implement marketing strategies to create their own marketing plan and then put it into action to test its effectiveness.

## Dance

### **Dance112 - Bring It On**

(Semester 1 only)

Alright...ok..lets get our cheer on! Do you like to design dance formations, choreography and perform acrobatics, write your own catchy jingles and tunes? Then cheerleading is for you. We will study cheerleading styles and completions, as well as movies that celebrate all things cheer.

### **Dance 113 - Step Up**

(Semester 2 only)

Step behind the lens, let us bring dance to life! A practical based subject that allows you to create your own short dance film or film clip. Wanna dance with Harry or along to Taylor? We will study dance and music film clips and be inspired by the moving image and dance movies through the years.

## Drama

### **DRA111 – Whose Line Is It Anyway?**

(Semester 1 only)

Have you ever rehearsed your Oscars speech in front of the mirror? Do you want to be famous? This unit introduces dramatic terms and ways of performing and building confidence when performing in front of an audience. Students will learn by participating in acting exercises and making plays through improvisation, mime and movement.

### **DRA112 - Working Out Your Excess Energy in Several Easy Steps**

(Semester 2 only)

Do you want to build your confidence, creative thinking, and ability to collaborate? What about imagination and open-mindedness? This unit develops skills in improvisation, theatresports and playbuilding. Students will become familiar with the building blocks of performance, street and physical theatre will be the focus style of this unit

### **DRA113 - Class Clowns**

(Semester 1 only)

Are you funny? Would you like to be funnier? Class Clowns will focus on the comedy on stage from clowning to melodrama. Physical skills, timing, characterisation and scripting will be explored

### **DRA114 - Behind the Curtain**

(Semester 2 only)

This unit will focus on everything that happens off stage in drama performance, from sound engineering to costume and set design. If you've always wanted to be in the theatre but were too afraid to act, this is the course for you!

## English Elective Units

### **ENG111 – English Extension**

Recommended for students wishing to study English at the Advanced level for the HSC. Students will be introduced to a variety of challenging and sophisticated texts, considering their historical, social and personal contexts, and develop their essay and imaginative writing skills.

### **ENG112 – How to Get Away with Murder**

In this unit, students will engage in a deep dive into the mysteries of the crime genre. They will develop their understanding of the codes and conventions of genres while gaining insight into the enduring popularity of crime texts. In the second part of the course, students will have an opportunity to uncover the truth of a cold case based within the dark underbelly of GTHS.

## Entertainment Industry

### **ENT111 – Safe and Sound**

In this unit, students will learn about elements of production, live performances and events, including audio and safety. You will gain valuable skills in a variety of aspects of the entertainment industry including; sound and safety, entertainment customer service and fundamental elements of a basic audio system. Students will use their understanding of audio and safety when creating their own production within in the school.

# Food Technology

## **FDT111 - Street Eats**

(Semester 1 only)

Students investigate the wide range of foods eaten by Australians. Students will plan and prepare many food products which reflect the eclectic nature of Multicultural Australian cuisine, and the street food trend.

## **FDT112 - Best Party Ever!**

(Semester 1 only)

Food is an important component of many special occasions. Students will study both small- and large-scale catering by planning and preparing appropriate food products to be served at a celebration.

## **FDT113 - Food for the Win**

(Semester 2 only)

Food plays a vital role in everybody's life. The food needs of each individual vary and can be one of the most important components when it comes to living your best life! Students will investigate, plan and prepare a variety of delicious and nutritional food products which meet the needs of individuals.

## **FDT114 - Make, Bake and Innovate**

(Semester 1 only)

An ever-increasing variety of food products are available in the marketplace as a result of food product innovations. Students examine the reasons for developing food products and the impact of past and present food product innovations on society. They will explore the processes in food product development and develop, produce and evaluate food products.

## **FDT115 - Chef's Be Like**

Food Service and Catering are important areas of the Food Industry. Throughout history there have always been occasions where non-family members prepared meals for the family. Travellers have always needed food and accommodation. Students will examine food service and catering ventures and their operations across a variety of settings and investigate employment opportunities. Students will plan and prepare safe and appealing foods appropriate for catering for small- or large-scale functions.

## **FDT116 - Fashionable Food**

(Semester 2 only)

We often hear of fashion trends or trends in music but how about trends in food, the way we buy it, what we buy and how we cook it? Students will examine historical and current food trends and explore factors that influence their appeal and acceptability. Students will plan, prepare and present safe, appealing food that reflects contemporary food trends.

## **FDT117 - Outdoor Foodies**

Fire up the Barbeque! Enjoy the outdoors while you grill, roast and bake. Develop your own rubs, sauces and barbeque creations. Learn how different cultures have mastered the art of cooking with flames. There is much more to the art of Barbeque than the humble sausage sandwich!

## **FDT118 - Advanced Food Technologies (Year 10 only)**

(Semester 2 only)

Advanced Food Technology is for students who are in year 10 and have previously completed Food Technology courses throughout STRIVE. This course is perfect for those students who want to experiment with more advanced processing techniques and investigate the properties of food and how they react to external factors. You will design and develop food products to meet specific needs and do a deep dive in to the relationship between food consumption and society. If you are thinking about studying Food Technology in your senior years, this is the course for you!



# Geography Elective Units

## **GEO111 - Travel**

(Semester 1 only)

The world is out there to explore! In this elective, students explore travel through Asia. Students will investigate contemporary geographical issues taking place and discover strategies to address the issues. Countries that could be investigated include Indonesia (Bali), Thailand, Laos, Singapore and Vietnam.

## **GEO112 - Oceanography**

(Semester 2 only)

In this unit, students will investigate the features and importance of the world's oceans. They will inquire into the contemporary issues relating to the use of oceans such as whaling, tourism and shipping.

## **GEO113 - Unique Global Environments and Places**

(Semester 2 only)

Our world is constantly changing. It erupts to create unique environments. In this unit students will investigate why this happens and how this affects people. Students will learn about the Grand Canyon and the Mekong Valley.

## **GEO114 - Geography Mysteries**

(Semester 1 only)

Students will utilise project-based learning to inquire into the interactions between people and environments and the citizenship aspects of a selected study. This elective provides an opportunity to investigate a geographical issue in-depth and to undertake fieldwork within the local area or at an accessible location.

## **GEO115 - Mining Gold from Australia's Resources**

Investigate the nature and spatial distribution of primary production and its importance across a range of scales. Students will investigate a range of case examples including the fishing industry, mining industry, palm oil industry and the farming industry.

# Graphics Technology

## **GRA113 – Computer Aided Manufacture (3D)**

Students will gain an understanding of how to use the industry-standard 3D CAD software to design and produce items that will be manufactured using the equipment in the STEM Machine Room.

## **GRA114 – Computer Aided Drawing and Design (OnShape)**

Students will gain an understanding to use CAD software to produce a series of high quality, accurate pictorial, and dimensioned orthographic drawings. CAD can be used to design all sorts of products, including items to be 3D printed and projects to be built in the workshop. This is an ideal stepping stone for students that wish to study Industrial Technology in Year 11 and 12 to be able to design and draw your projects.

## **GRA116 – Photo, Video and Animation (Multimedia)**

Capture, edit and produce professional videos. Use specialised video and photo editing software and embrace your creative side. Music videos, short films, vlogs, reviews, tutorials – you are only limited by your imagination!

# History Elective Units

## **HIS111 - Ancient Mythology**

We will examine the gods of Greece, Rome, and Egypt and explore some myths such as Pandora's Box and the Golden Fleece, Achilles and Hercules. Students will have the opportunity to explore a myth of their choosing in more detail.

## **HIS112 - Disasters that Changed the World**

This unit is about studying some of the disastrous events that have shaped and changed our modern world. Some of the events we will explore are the Holocaust of World War II, the nuclear bombing of Hiroshima and Nagasaki, Chernobyl nuclear explosion and the September 11 terrorist attacks. By using a variety of historical sources, we reconstruct life during these turbulent times and try to give meaning to these events.

## **HIS113 - Sport and Recreation**

(Semester 2 only)

This unit will explore the world's longstanding love of sport in all its forms. We will start with the birth of the Olympics and track its changes over time. We also look at Australia's sporting history and explore the origins of some of our most loved sports, such as cricket, rugby and soccer. Students will be able to select a sport of their choice to research in more detail.

## **HIS114 - All Roads Lead to Rome**

(Semester 2 only)

Rome is arguably the greatest empire in all history. Students look at both primary and secondary sources to learn about its beginnings, its wars, its famous personalities and its way of life. You will focus on biographies, film as History and historical reconstructions to help understand the legacy that was Rome

# Industrial Technology – Engineering

## **ITG112- The Need for Speed (Transportation)**

This unit focuses on propulsion and aerodynamics. After learning the basics, students will then have the chance to put their new-found knowledge to the test by designing, building and testing bottle rockets and F1 cars.

## **ITG113 - Build A Bridge & Get Over It (Engineering Structures)**

(Semester 2 only)

A bridge building challenge! This unit will focus on structures and see students learn about the engineering that goes into building a bridge. Students are then set the challenge to build a balsa wood bridge to span a pre-determined gap. Destructive testing will be used to see whose bridge can hold the most weight before giving way.

## **ITG114 - Futuristic Manufacturing (STEM Machine Technologies)**

(Semester 1 only)

Students will gain an understanding of how to design, build and program machines and robotic systems using EV3 Lego. These machines and systems are the way of the future, but young engineers are still needed to come up with innovative and efficient design solutions.

## Industrial Technology – Metal

### **ITM111 - Build a Barbeque!**

Make your own portable barbeque and accessories. Develop skills in working with metal by cutting, shaping, drilling, and welding mild steel components. Great for camping or an amazing gift.

### **ITM112 - Jewellery Making**

Twirl, twist and mould your own statement accessories. Tap into your creative side to create personalised jewellery products. Learn fun new skills and take home beautifully handcrafted pieces you can keep forever.

## Industrial Technology – Timber

### **ITT112 - Woodworking Beginners**

(Semester 1 only)

This is a practical focused unit, allowing students to develop their skills in the use of portable power tools and accurate measuring and marking. Students will produce a project that incorporates a variety of joinery techniques.

### **ITT114 - Dovetails, Dowels and Dados (Games Box)**

Put your woodworking skills to the test by producing a practical project that incorporates a variety of joining techniques and builds on the skills taught in the beginner's course.

### **ITT115 - Tenons, Turning and Tapers (Pens, Chopping Board & Nut Bowl)**

This unit will focus on the use of power tools and equipment to produce individualised products building on the skills taught in the beginner's course.

### **ITT116 - Woodworking Advanced (Year 10 Only - Dart Board)**

(Semester 2 only)

Consolidate your wood working skills to design, plan and produce an advanced practical project.

# Languages

## **LAN111 - Clothing and Fashion (Japanese)**

(Semester 1)

This elective describes and discusses clothing, explores fashion in Japan, how it influences identity and purchasing items. You will also learn to describe the location of places and facilities and discuss activities you can do in Australia and Japan, whilst justifying opinions about places.

## **LAN112 - Travel in Japan (Japanese)**

(Semester 1)

This elective will teach you about leisure activities, popular sightseeing places and how to discuss and justify your preferences and experiences. You will learn to compare popular Australian and Japanese activities and negotiate plans to participate in the activity including dates and times. You will be able to plan a trip, discuss transportation and accommodation options, create travel reviews and give directions.

## **LAN113 - Cultural Influences in Japan (Japanese)**

(NA)

In this elective you will learn to discuss daily routines, lifestyles and wellbeing. Explore cultural influences on lifestyle and healthy living and to describe illness and injuries. You will learn to describe physical appearances and personalities and compare people, discuss past experiences and influencers in Japan and Australia.

## **LAN114 - Hopes and Dreams (Japanese)**

(NA)

In this elective you will learn to discuss school subjects, study routines and part-time jobs. Describe strengths, skills and interests and identify and express future aspirations. You will learn to discuss activities that shape one's identity and reflect on important life events, compare important events in the lives of young people in Japan and Australia.

## **LAN115 - Food and Drink (Chinese)**

(Semester 1)

This elective aims to give you a basic introduction to Chinese language. Students learn greetings, basic conversation skills, numbers to manage money, food and drink vocabulary, including likes and dislikes and you learn to read a menu.

## **LAN116 - Introduction to Aboriginal Languages and Culture**

Welcome to the Aboriginal Languages elective course! In this class, you will learn to listen, respond, read, and write basic words and structured sentences in Aboriginal languages. Through our exploration of traditional Aboriginal culture, you will recognise and describe how languages and cultures impact our lives, encompassing music, art and craft, stories and travel, and traditions. By studying both traditional and contemporary Aboriginal cultures, you will appreciate the importance of tradition within cultural identity and the diversity within Aboriginal culture. Additionally, you will understand the influence of culture on language use. Students will have the opportunity to engage with language revival issues and demonstrate your creativity by creating original resources for this purpose.



# Marine Studies

## **MAR111 - Dangerous Marine Creatures**

This elective explores the characteristics and behaviour of a range of dangerous marine creatures. Students will investigate stone fish, sting rays, killer whales, sharks and other dangerous aquatic species.

## **MAR112 - Marine Water Sports**

(Semester 1 only)

This elective introduces students to the theory and practice of safe snorkelling in enclosed and open waters. Students will investigate the world under the sea through snorkelling. This elective also provides students the opportunity to investigate the growing sport of recreational and commercial fishing.

## **MAR113 - Salt Water Aquariums and Aquaponics**

(Semester 1 only)

This elective introduces students to the principles involved in the construction and maintenance of aquarium and aquaponics systems.

## **MAR114 - Shipwrecks and the Abyss**

(Semester 2 only)

This elective provides students with opportunities to investigate the hardships faced by early mariners, their skill and the often-fatal results of miscalculations in sea travel.

## **MAR115 - Marine Mysteries**

(Semester 2 only)

This elective enables students to select an array of enquiry modules to develop a deeper appreciation of aquatic environments and practices.

## **MAR116 - Fishing**

This elective introduces the methods used to catch fish. Students investigate the relationship between different fishing methods and the behaviour and physiology of the fish being caught.

## Mathematics Elective Units

### **MAT111 - Maths Tutorial**

This unit is designed for students who require more support to master core skills in Mathematics. Students will be required to work independently with the assistance of the teacher. Students may receive further support with other units of Maths or with concepts not yet fully understood.

### **MAT112 - Year 9 Only – Networks & Statistical Inquiry**

(Semester 2 Only)

In this elective unit, students will look at networks and how they can be modelled to real world situations. The statistical component of this course looks at finding, collecting, and analysing data around concepts in today's modern world. This course is open to all ability of students who have an inquisitive mind and like to investigate concepts. **Students attempting this course must have completed the Advanced stream core units.**

### **MAT113 - Year 10 Only – Further Algebra, Equations & Trigonometry**

(Semester 2 Only)

In this elective unit, students will further develop their skill set around algebra, equations and trigonometry in preparation for Stage 6 Mathematical courses. This is aimed at students who have a desire of doing the Mathematics or Extension courses in Stage 6. **Students attempting this course must have completed the Advanced stream core units.**

## Motivated 2 Strive

### **MTS111 – Assessment Support 1**

(Semester 1 only)

In this unit, students will continue to expand on their repertoire of WICOR strategies to achieve and maintain learning success in all of their school subjects. Throughout this unit, students will continue to engage with a range of support mechanisms to help them manage assessment tasks from all other Strive subjects. With a focus on time management and organisational skills, students will work through establishing positive, independent learning strategies. This unit can be undertaken in both Year 9 & Year 10.

### **MTS112 - Assessment Support 2**

(Semester 2 only)

In this unit, students will continue to expand on their repertoire of WICOR strategies to achieve and maintain learning success in all of their school subjects. Throughout this unit, students will continue to engage with a range of support mechanisms to help them manage assessment tasks from all other Strive subjects. With a focus on time management and organisational skills, students will work through establishing positive, independent learning strategies. This unit can be undertaken in both Year 9 & Year 10.

# Music

## **MUS111 – Music, Music, Music**

(Semester 1 only)

Please don't stop the music! You love all things music, the songs, the bands and the lyrics. You sing in the shower, play the air guitar and you tap the beat with your feet. This unit is all about the music, music, music and appreciating how cool a great playlist is with a focus on musicology.

## **MUS115 – Mix Masters**

(Semester 2 only)

In this unit you will take the role of a sound engineer. You record, mix and create music using technology. If you like technology and awesome gadgets, this course is for you. Develop your skills as sound engineer as they have one of the most important roles in the music industry as you make the band sound awesome and create some absolute bangers!

# Outdoor Education

## **ODE111 - The Great Outdoors**

(Semester 1 only)

Students are introduced to outdoor education and its importance to their personal growth, skill development and overall wellbeing. They will experience challenge, learn more about their comfort-zone and participate in planned outdoor activities. Along with this mandatory core module and some first aid in outdoor environments, students will study bushcraft and navigation, applying their understanding of shelters, campsites, food collection and campsite cooking for future expeditions.

## **ODE112 - Outdoor Expedition**

(Semester 2 only)

*\*\* Students must have completed The Great Outdoors course in either year 9 or 10 before selecting Outdoor Expedition. This is due to the mandatory unit of Experiencing the Outdoors covered in Semester 1.*

Students investigate basic survival techniques and identify emergency procedures and apply personal skills to respond to emergency situations which may arise in outdoor environments. They also build connections to nature through experiential learning in contexts such as bushwalking, orienteering and mountain biking. The key focus of this course is the expedition preparation, where students develop, understand and apply logistical planning and preparations for a range of potential outdoor adventure activities in different environments, for example: ocean, mountain, snow or bush.

# PASS

## (Physical Activity and Sports Studies)

### **PAS111 - The Body In Motion**

(Semester 1 only)

In this unit, students will learn how the bones, muscles, joints and cardiorespiratory systems all work together to produce efficient movement. Students will explore a range of sporting contexts with a diverse range of examples to understand how our body moves and how we can improve our own movement efficiency. We will also investigate the health and skill related components of fitness, relevant to student needs. All concepts will be explored in both theory and practical contexts.

### **PAS112 - Sporting Nation**

(Semester 2 only)

In this unit students dive into the sporting world we live in here in Australia. We celebrate some of our sporting achievements of the past and contemporary athletes. Students will debate current issues in our sport such as the use of technology for officiating and gender related issues. In the practical setting, students participate in a range of Australian themed sports such as OzTag, AFL and traditional Indigenous Games. We also gain experience in games from around the globe such as European Handball, NFL and Gaelic Football.

### **PAS113 - Sport Leadership**

(Semester 1 only)

Here we tap into your inner leader as students delve into event management and sports coaching. We get familiar with the roles behind the scenes when sporting clubs organise competitions of various formats. Be prepared to get hands on with planning our own class events and tournaments, with students both participating and officiating in them. We also investigate characteristics of quality coaching, through studying successful professional coaches, along with students coaching their peers through sessions they design. All concepts will be explored in both theory and practical contexts.

### **PAS114 - Improving Performance**

(Semester 2 only)

If you're an aspiring athlete and want to know how to improve your performance then this course is for you. Students investigate the role of energy systems, and the growing contribution of technology to participation and performance improvements. We participate in the analysis and development of skills necessary for successful performance in a variety of sporting contexts. A key feature of this unit is the peer analysis and evaluation of performance using a range of feedback techniques including video analysis. All concepts will be explored in both theory and practical contexts.

### **PAS115 - Active Lifestyles**

This unit investigates the benefits of an active lifestyle and how we can increase our current physical activity levels. Students have opportunities to increase their participation in physical activity by proposing, planning and implementing strategies to increase participation and improve health and wellbeing both in and out of the classroom. We explore various barriers to activity and ways to overcome such barriers in our local community. Students also explore future opportunities in volunteer roles or career pathways in the sport and fitness industry. This is a course where you will get to significantly increase your physical activity levels in a variety of recreational contexts.

### **PAS116 - Football codes**

(Semester 1 only)

In this course, students will focus on theory and practical activities related to the oval ball football codes of Touch Football, OzTag, Rugby League, Rugby Union and AFL. We will investigate energy systems and nutritional requirements with a specific focus on these football codes, along with their contribution to Australian national identity, and discuss current and historical issues in each code such as the media, political links, gender, equity, amateurism v professionalism, participation rates and sponsorship. In the practical aspect, students will develop movement skills and skill transfer across the codes. There is potential for local development officers to deliver training sessions aligned to group interests.

## Science Elective Units

### **SCI111 - Science Magic**

(Semester 1 only)

In this Physics elective, students will look at a range of physical applications in the real world and how these benefit society. They will learn to analyse motion in terms of scalar and vector quantities and perform calculations using Newton's Laws of Motion. Students will analyse electric fields, light, magnetism and forces.

### **SCI112 - Wizz, Bang, Pop**

(Semester 2 only)

In this Chemistry elective, students will learn about how atoms are structured and how matter behaves. It will include the study of different types of chemical bonds and how these affect the physical properties of different substances. Additionally this unit will focus on how to perform practical tasks to develop skills required to cover a range of chemistry disciplines that develop a wide range of skills needed to do well in HSC Chemistry as well as beyond High School.

### **SCI113 - Bionics and the Body**

(Semester 2 only)

In this Biology elective, students investigate different medical applications and technologies that can be used in the human body. They will learn about the functions of structures in the circulatory system and the skeletal system. Organ transplants will be discussed and how our immune system works.

### **SCI114 - Rocks, Rocks, Rocks**

(Semester 1 only)

In this Earth and Environmental Science elective, students will investigate the layers of the Earth, tectonic movements and the impact of humans on the Earth. Sustainability and recycling will be a major focus as we look to improve the welfare of our planet.

### **SCI115 - From the Big Bang to Life**

(Semester 1 only)

This elective takes on all the questions that originate with the dawn of time and gives students a framework to tell the story of humanity's place in the Universe. It helps students see the overall picture and make sense of the pieces. It looks at five major complexities that have shaped our world – the Big Bang, Stars, Elements, the Solar System and Life.

### **SCI116 - From Early Humans to the Future**

(Semester 2 only)

This elective increases our understanding of humanity's place in the Universe by seeking out common themes and patterns that can help us better understand people, civilisations and the world we live in. It looks at four major complexities that have shaped our world – Collective Learning, Agriculture, Civilisations, and the Modern Revolution.

# Visual Art

## **ART111 - Art Attack**

(Semester 1 only)

In this unit students will be introduced to all things ART and refine their artmaking techniques through the creation of individual, imaginative and expressive artworks using different mediums such as paint, pencil, watercolour, printmaking and sculpture. With your very own artist kit, you will create anything your heart desires.

## **ART112 - Animation Art**

(Semester 1 only)

In this unit students will study the principles of design in relation to graphic and digital journaling. Photography, stop motion, claymation, movie making, product packaging and design will form the basis of your very own professional design portfolio.

## **ART113 - Street Art**

(Semester 1 only)

This unit is the word on the street! Street Art that is - where you can design your own tag, look at stencilling as a type of artmaking, create a graffiti style artwork and paint your own amazing skateboard.

## **ART114 - Culture Kings**

(Semester 2 only)

Bring it! This unit allows you to create your own specialised brand and design your funky logo showing off your street cred. You will use various printing techniques to create and transfer your design to wearable items such as hats, bags, tee's and shoes. What is your culture going to look like?

## **ART115 - Choose Your Own ARTventure**

(Semester 2 only)

This unit is all about YOU! You, as the artist, get to create the type of artmaking YOU love to make. Are you into anime', cartooning, designing 3D objects, sculpture or love creating collages? Whatever your heart desires, this type of artmaking is for you. Which ARTventure will you choose?

## **ART116 - Masters of Art**

(Semester 2 only)

This unit of art is about creating art like a professional-looking at high end art, gallery influences and perfecting your artmaking practice through the use of different artmaking styles and learning from the masters. You will have your very own easel and canvas to create your very own masterpiece.



## Work Education

### WKS111 - Construction Employment Pathways

(Semester 1 only)

The course is designed to introduce students to the strategies and opportunities to become prepared for employment within the construction industry. Students will develop a portfolio and also an electronic portfolio to present to employers. They will engage in communication and teamwork activities, which will be transferable for future employments. Students will be exposed to guest presenters and industry tours. Students will also complete aptitude testing, interviews and engagement with apprenticeship network providers. Towards the end of the program, students will participate in work experience. All students will be encouraged to select a TAFE YES course to compliment this program. **As part of the program- students are expected to complete their white card and first aid course- costing approx \$150**

### WKS112 - Business Administration/ Retail Employment Pathways

(Semester 1 only)

The course is designed to introduce students to the strategies and opportunities to become prepared for employment within business and retail. . Students will develop a portfolio and also an electronic portfolio to present to employers. They will engage in communication and teamwork activities, which will be transferable for future employments. Students will be exposed to guest presenters and industry tours. Students will also complete aptitude testing, interviews and engagement with apprenticeship network providers. Towards the end of the program, students will participate in work experience. All students will be encouraged to select a TAFE YES course to compliment this program. **As part of the program- students are expected to complete their first aid course and infection control course – approx \$100**

### WKS113 - Health Employment Pathways

(Semester 1 only)

The course is designed to introduce students to the strategies and opportunities to become prepared for employment within the health industry. Students will develop a portfolio and also an electronic portfolio to present to employers. They will engage in communication and teamwork activities, which will be transferable for future employments. Students will be exposed to guest presenters and industry tours. Students will also complete aptitude testing, interviews and engagement with apprenticeship network providers. Towards the end of the program, students will participate in work experience. All students will be encouraged to select a TAFE YES course to compliment this program. **As part of the program- students are expected to complete their first aid course and infection control course – approx \$100**

### WKS114 - Childcare Employment Pathways

(Semester 2 only)

The course is designed to introduce students to the strategies and opportunities to become prepared for employment within the childcare industry. Students will develop a portfolio and also an electronic portfolio to present to employers. They will engage in communication and teamwork activities, which will be transferable for future employments. Students will be exposed to guest presenters and industry tours. Students will also complete aptitude testing, interviews and engagement with apprenticeship network providers. Towards the end of the program, students will participate in work experience. All students will be encouraged to select a TAFE YES course to compliment this program. **As part of the program- students are expected to complete their first aid course and infection control course – approx \$100**

### WKS115 - Defence Employment Pathways

(Semester 2 only)

The course is designed to introduce students to the strategies and opportunities to become prepared for employment within the Defence industry. Students will develop a portfolio and also an electronic portfolio to present to employers. They will engage in communication and teamwork activities, which will be transferable for future employments. Students will be exposed to guest presenters and industry tours. Students will also complete aptitude testing, interviews and engagement with apprenticeship network providers. Towards the end of the program, students will participate in work experience. All students will be encouraged to select a TAFE YES course to compliment this program. **As part of the program- students are expected to complete their first aid course and infection control course – approx \$100**

**WKS116 - Hospitality Employment Pathways**

(Semester 2 only)

The course is designed to introduce students to the strategies and opportunities to become prepared for employment within the hospitality industry. Students will develop a portfolio and also an electronic portfolio to present to employers. They will engage in communication and teamwork activities, which will be transferable for future employments. Students will be exposed to guest presenters and industry tours. Students will also complete aptitude testing, interviews and engagement with apprenticeship network providers. Towards the end of the program, students will participate in work experience. All students will be encouraged to select a TAFE YES course to compliment this program. **As part of the program- students are expected to complete their first aid course and infection control course – approx \$100.**

**WKS117 - 2.0 Employment Pathways**

This course is for students who have already completed an Employment Pathways program. Students will engage in a variety of industry activities and guest presenters. Students will further develop their employability skills and connect with industries of interest while exploring various pathways available locally for them. Students will complete an independent investigation based on an industry of interest. All students will be encouraged to select a TAFE YES course, participate in University excursions and other arranged extracurricular activities.