

**The Marryatville Model
Year 11 & 12 Curriculum Guide
Senior Years 2025**



Introduction

‘Thriving Today, Transforming Tomorrow.’

The Marryatville High School vision of ‘Learning, Growing, Living’ sets the context for all students to thrive and be successful learners within our community.

At Marryatville High School, we strive to develop student capabilities for active global citizenship. To this end, students are encouraged to learn and think creatively, critically, and independently.

This curriculum guide documents the broad range of programs offered at Marryatville High School. It is designed to provide students with the information required to make informed decisions about potential and preferred pathways for schooling, future pathways and careers.

The Marryatville High School curriculum is broken into 3 bands.

- Middle Years (7 & 8)
- Intermediate Years (9 & 10)
- Senior Years (11 & 12)

The SACE

‘Learning at the pace of change’

The South Australian Certificate of Education (SACE) is a certificate awarded to students who successfully complete compulsory requirements in their senior secondary education.

The SACE provides flexible options for students to complete their schooling through using the SACE, vocational education and training (VET), community learning, university, and TAFE studies.

SACE requires completion of several compulsory components including a Personal Learning Plan (Year 10), 1 semester of Numeracy, 2 semesters of Literacy (Year 11), and the Research Project (Year 12). All compulsory components of the SACE must be completed at a satisfactory standard or better.

SACE Assessment

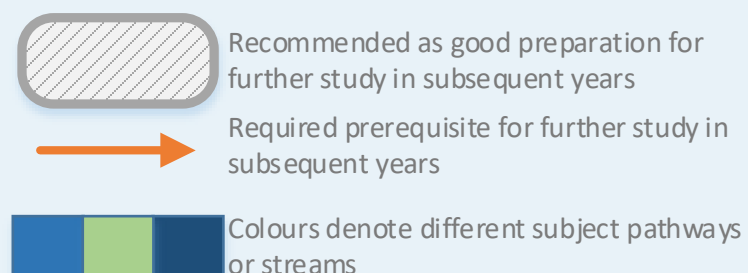
Most subjects within the SACE have two school assessed components including Investigations (40%) and Skills and Assessment Tasks (30%). Students will also have a range of formative opportunities to show evidence of their learning. All SACE subjects have an externally assessed component worth 30%.

Using the Curriculum Guide

The Senior Years Curriculum Guide is broken into two sections.

The first provides an overview of curriculum patterns and subject offerings at MHS. The second provides links to subject explicit descriptors outlining course content & assessment requirements.

Each Learning Area also has a flowchart (see contents page). These are vital and should be consulted when planning pathways, and before making final subject selections. The key below helps to navigate these flowcharts.



We urge all students to spend time exploring the range of subject options available and make selections that enable desired future pathways, build on strengths, and feed their passions.

Subject Recommendations

Students going into Year 11 and Year 12 will be receive recommendations from their subject teachers, to assist with subject selections. These provide a guide as to their capacity for achieving success in a particular subject area. It is not recommended that students choose against recommendations. The following subject pathways are guided by recommendations:

- English (EALD, English or English Literary Studies)
- Mathematics (Specialist, Methods, General and Essential)
- Science subjects (Physics, Chemistry, Biology, Psychology and Nutrition)

Students who wish to make a choice against a subject recommendation are required to complete an ‘Against Recommendation Declaration’. This document can be found in their Year 11 or 12 Course Planner Booklet.

Students in Year 11 can apply to complete a Stage 2 SACE subject in Year 11. Students who would like to take advantage of this opportunity must demonstrate their planning, commitment and aptitude for early study at Stage 2 level, by completing an ‘Application for Advancement’ form. This can be found in their Course Planner Booklet.

Subject Availability

Every effort will be made to place students into the subjects of their choice. However, the availability of subjects offered will be dependent on student numbers and staff availability. Students should select Reserve choices carefully as these may feature in their future timetable. In the event that a timetable cannot be constructed using student choices or reserves, they will be re-counselled.

Once the timetable has been constructed, there is very limited scope for changes. As such we encourage all students to consider their subject choices very carefully.

Vocational Education and Training (VET)

VET stands for Vocational Education and Training. Its aim is to partner with industries and the government to equip people with workplace skills and technical knowledge to help them start out in their dream career. VET courses provide students with the opportunity to:

- Work to attain nationally accredited Certificate against the Australian Qualification Training Framework – Certificate II & III
- Personalise their learning pathways
- Access the highest quality VET options endorsed by industry
- Enable completion of SACE and lead to job opportunities in STEM & skills shortage areas

The East Adelaide Secondary Vocational Alliance, www.easva.sa.edu.au offer a range of VET courses. Students wishing to apply for any of these courses need to make an appointment to meet with Laura Hudson, Coordinator - Pathways and Wellbeing. Parents must attend this meeting.

Once a student has made a VET course decision, they will be referred to the Registered Training Organisation (RTO) who will:

- Assess the student’s functional level of English
- Measure student’s literacy and numeracy capabilities
- Ask for evidence of industry immersion activities
- Assess student’s awareness and knowledge of the industry and job outcomes to ensure they have made the right decision

Students must initially select a full complement of subjects and those who successfully gain a place in a VET course will be re-counselled to ensure VET credits are considered in their overall SACE plan.

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Senior Years - Curriculum Patterns

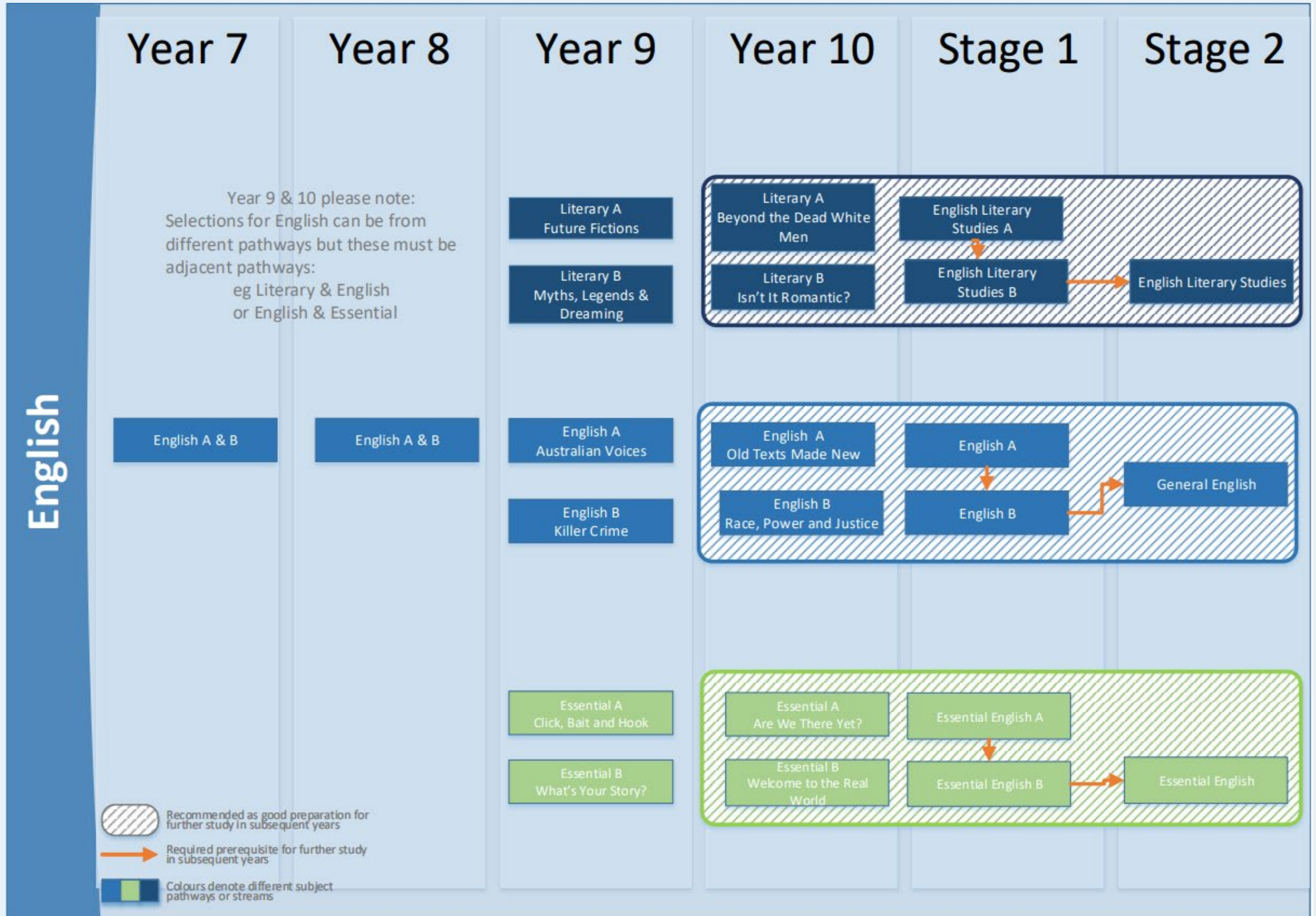
Year 11 Subject Selection Requirements	
Compulsory Courses – Year 10	
Personal Learning Plan (Year 10)	10 credits
Compulsory Courses – Year 11	
Activating Identities & Futures (AIF)	10 credits
Required Choices – Year 11	
Numeracy Choice	10 credits
Literacy Choice	20 credits
Free Choices – Year 11 (Any Learning Area)	
(Any Learning Area) Free Choice	70 credits

Year 12 Subject Selection Requirements	
Free Choices – Year 12 (Any Learning Area)	
(Any Learning Area) Free Choice	80 credits 4 x full year subjects for an ATAR
TOTAL	200 credits (required for SACE completion)

Senior Years - Subject List

Senior Years Curriculum (11 & 12)									
	English Flow Chart	Mathematics Flow Chart	Science Flow Chart	Humanities Flow Chart	Languages Flow Chart	The Arts Flow Chart	Technologies Flow Chart	Music Flow Chart	HPE Flow Chart
YEAR 11	Stage 1 - English A	Stage 1 Mathematics – Specialist Mathematics	Stage 1 Science – Biology A	Stage 1 HASS - Activating Identities and Futures - AIF	Stage 1 Japanese (Continuers) A and B	Stage 1 Arts - Drama A	Stage 1 Technologies – IPP	Stage 1 Music - Music Technology	Stage 1 HPE – Physical Education A
	Stage 1 - English B	Stage 1 Mathematics – Mathematical Methods A	Stage 1 Science – Biology B	Stage 1 HASS - Modern History A	Stage 1 French (Continuers) A & B	Stage 1 Arts - Drama B	Stage 1 Technologies - Coding and Game Development	Stage 1 MUSIC - Exploring Popular Music	Stage 1 HPE – Physical Education B
	Stage 1 - Pre-English Literary Studies A	Stage 1 Mathematics – Mathematical Methods B	Stage 1 Science – Chemistry A	Stage 1 HASS - Modern History B	Year 10 or 11 - Stage 1 Kurna Warra	Stage 1 Arts - Theatre Technologies	Stage 1 Technologies - Robotic and Electronic Systems	Stage 1 Music - Exploring Film Music	Stage 1 HPE– Health and Wellbeing
	Stage 1 - Pre-English Literary Studies B	Stage 1 Mathematics – Mathematical Methods C	Stage 1 Science – Chemistry B	Stage 1 HASS - Legal Studies A		Stage 1 Arts - Visual Art A	Stage 1 Technologies -Material Solutions Timber Furniture	Stage 1 Music - Music Studies A (Semester 1)	Stage 1 HPE - Outdoor Education A
	Stage 1 - Essential English A	Stage 1 Mathematics – General Mathematics A	Stage 1 Science – Nutrition	Stage 1 HASS - Legal Studies B		Stage 1 Arts - Visual Art B	Stage 1 Technologies - Alloy and Metal Manufacturing	Stage 1 Music - Music Studies B (Semester 2)	Stage 1 HPE - Outdoor Education B
	Stage 1 - Essential English B	Stage 1 Mathematics – General Mathematics B	Stage 1 Science – Physics A	Stage 1 HASS – Economics		Stage 1 Visual Arts Design - Graphic and Product Focus (A)	Stage 1 CAD Engineering Advanced Manufacturing		Stage 1 HPE - Cross Disciplinary – Peer Support
	Stage 1 English - Essential English EAL A	Stage 1 Mathematics – Essential Mathematics A	Stage 1 Science – Physics B	Stage 1 HASS - Accounting		Stage 1 Visual Arts Design - Environmental & Product Focus (B)	Stage 1 Technologies – Material Solutions – Textiles		
	Stage 1 English - Essential English EAL B	Stage 1 Mathematics – Essential Mathematics B	Stage 1 Science – Psychology A	Stage 1 HASS - Society & Culture		Stage 1 Media Arts – Filmmaking	Stage 1 Technologies - Food and Hospitality		
	Stage 1 English – EAL A	Stage 1 Mathematics – Maths for SACE Completion	Stage 1 Science – Psychology B	Stage 1 HASS – Philosophy		Stage 1 Social Media	Stage 1 Technologies - Child Studies		
	Stage 1 English – EAL B		Stage 1 Science – Biochemistry	Stage 1 HASS – Geography			Stage 1 Technologies – Jewellery & Entrepreneurship		
				Stage 1 HASS – Small Business Management A					
			Stage 1 HASS – Business Innovation						
			Year 10 or 11 Cross Disciplinary – Sustainability						
			Stage 1 - Workplace Practices						
YEAR 12	English Flow Chart	Mathematics Flow Chart	Science Flow Chart	Humanities Flow Chart	Languages Flow Chart	The Arts Flow Chart	Technologies Flow Chart	Music Flow Chart	HPE Flow Chart
	Stage 2 English	Stage 2 Mathematics – Specialist Mathematics	Stage 2 Science – Biology	Stage 2 HASS – Modern History	Stage 2 Japanese (Continuers)	Stage 2 Arts – Drama	Stage 2 Technologies – IPP	Stage 2 Music - Music Performance: Solo	Stage 2 HPE – Physical Education
	Stage 2 English - English Literary Studies	Stage 2 Mathematics – Mathematical Methods	Stage 2 Science – Chemistry	Stage 2 HASS – Legal Studies	Stage 2 French Continuers	Stage 2 The Arts - Visual Art	Stage 2 Technologies - Advanced Game Development	Stage 2 - Music Performance: Ensemble	Stage 2 HPE - Health and Wellbeing
	Stage 2 English - Essential English	Stage 2 Mathematics – General Mathematics	Stage 2 Science – Nutrition	Stage 2 HASS - Economics		Stage 2 The Arts - Visual Art Design	Stage 2 Technologies - Robotic Electronic Systems	Stage 2 Music - Music Studies	Stage 2 HPE - Outdoor Education
	Stage 2 English – Essential English EAL	Stage 2 Mathematics – Essential Mathematics	Stage 2 Science – Physics	Stage 2 HASS – Accounting		Stage 2 Media Arts - Film Making	Stage 2 Technologies - Material Solutions Timber Furniture	Stage 2 Music - Music Explorations	
	Stage 2 English - English as an Additional Language (EAL)		Stage 2 Science – Psychology	Stage 2 HASS - Society & Culture			Stage 2 Technologies – Computer Aided Design - Product and Architecture		
			Stage 2 HASS – Philosophy			Stage 2 Technologies - Food and Hospitality			
			Stage 2 HASS – Business Innovation			Stage 2 Technologies – Material Solutions - Textiles			
			Stage 2 – Cross Disciplinary - Workplace Practices			Stage 2 Technologies – Child Studies			

ENGLISH Learning Area - Flow Charts



EAL/D

Year 7

Year 8

Year 9

Year 10

Stage 1

Stage 2

EALD A & B

EALD A & B

EAL - Persuade Me A

EAL – Identity B

Creating and Responding to Texts A

Creating and Responding to Texts B

English as an Additional Language A

English as an Additional Language B

Essential English EAL A

Essential English EAL B

English as an Additional Language

Essential English EAL



Recommended as good preparation for further study in subsequent years



Required prerequisite for further study in subsequent years



Colours denote different subject pathways or streams

ENGLISH – Stage 1

Stage 1 - English A

ENGLISH A

Are You interested in:

Creating and analysing a range of texts that will prepare you for the Stage 2 English course?

What we do:

You will study a range of texts such as films, novels, plays, poetry, and media texts in terms of the language features, stylistic features and text conventions used to achieve the author's purpose, context and audience.

What we learn:

You will expand your comprehension of how language features, stylistic features, and conventions are used to explore ideas in texts and impact audiences. You will analyse the relationship between purpose, audience, and context, and how they shape meaning. You will also refine your ability to write with precision, fluency and coherence, including appropriate use of evidence to support your conclusions.

How you will demonstrate evidence of your learning:

- Text Transformation and Writer's Statement
- Writing to Entertain Text Creation
- Critical Perspectives Response to Text
- Comparison and Contrast Intertextual Study

Additional Cost:

Nil

Stage 1 - English B

ENGLISH B

Are You interested in:

Creating and analysing a range of texts that will prepare you for the Stage 2 English course?

What we do:

You will study a range of texts such as films, novels, plays, poetry, and media texts in terms of the language features, stylistic features and text conventions used to achieve the author's purpose, context and audience.

What we learn:

You will expand your knowledge and understanding of language features, stylistic features, and conventions used to explore ideas in texts and impact audiences. You will also analyse the relationship between purpose, audience, and context, and how they shape meaning. You will refine your ability to write with precision, fluency and coherence, including appropriate use of evidence to support your conclusions.

How you will demonstrate evidence of your learning:

- Text Transformation and Writer's Statement
- Writing to Persuade Text Creation
- Critical Perspectives Response to Text
- Comparison and Contrast Intertextual Study

Additional Cost:

Nil

Stage 1 - Pre-English Literary Studies A

PRE-ENGLISH LITERARY STUDIES A

Are You interested in:

Creating and analysing a range of texts that will prepare you for the Stage 2 English Literary Studies course?

What we do:

You will explore how traditional text types including films, novels and plays in terms of the language features, stylistic features and text conventions used to achieve the author's purpose, context and audience. You will also practice and refine your skills in critical reading.

What we learn:

You will develop your capacity to critically analyse texts from a range of theoretical perspectives. You will learn to construct logical and convincing arguments as well as consider a range of critical interpretations of texts.

How you will demonstrate evidence of your learning:

- Text transformation and Writer's Statement
- Writing to Entertain Text Creation
- Critical Perspectives Response to Text
- Comparison and Contrast Intertextual Study

Additional Cost:

Nil

Stage 1 - Pre-English Literary Studies B

PRE-ENGLISH LITERARY STUDIES B

Are You interested in:

Creating and analysing a range of texts that will prepare you for the Stage 2 English Literary Studies course?

What we do:

You will explore how traditional text types including films, novels and poetry in terms of the language features, stylistic features and text conventions used to achieve the author's purpose, context and audience. You will also practice and refine your skills in critical reading.

What we learn:

You will develop your capacity to critically analyse texts from a range of theoretical perspectives. You will learn to construct logical and convincing arguments as well as consider a range of critical interpretations of texts.

How you will demonstrate evidence of your learning:

- Text transformation and Writer's Statement
- Writing to Persuade Text Creation
- Critical Perspectives Response to Text
- Comparison and Contrast Intertextual Study

Additional Cost:

Nil

Stage 1 - Essential English A

ESSENTIAL ENGLISH A

Are You interested in:

Strengthening your capacity for practical communication for a range of personal, social, cultural, community, and/or workplace contexts and being prepared for Stage 2 Essential English?

What we do:

You will respond to and create texts in and for a range of personal, social, cultural, community, and/or workplace contexts including advertisements and speeches. In creating and analysing a range of text types you will be prepared for the Stage 2 Essential English course.

What we learn:

You will develop your analytical skills and refine your proficiency in communicating accurately and creatively. You will learn how to identify and analyse how the structure and language of texts vary for different purposes, audiences, and contexts.

How you will demonstrate evidence of your learning:

- Personal Recount (standard written/personal Instagram)
- Car Advertising Review (written/multimodal)
- Advocacy Speech Analysis (written)
- Advocacy Speech Creation (oral/multimodal)

Additional Cost:

Nil

Stage 1 - Essential English B

ESSENTIAL ENGLISH B

Are You interested in:

Strengthening your capacity for practical communication for a range of personal, social, cultural, community, and/or workplace contexts and being prepared for Stage 2 Essential English?

What we do:

You will respond to and create texts in and for a range of personal, social, cultural, community, and or workplace contexts including film trailers and cooking shows. In creating and analysing a range of text types you will be prepared for the Stage 2 Essential English course.

What we learn:

You will develop our analytical skills and refine your proficiency in communicating accurately and creativity. You will learn how to identify and analyse how the structure and language of texts vary for different purposes, audiences, and contexts.

How you will demonstrate evidence of your learning:

- Descriptive Perspective Writing (written)
- Film Trailer Response (written/multimodal)
- Analytical Language Comparison of Cooking Texts (written)
- Procedural Blog Creation (oral/multimodal)

Additional Cost:

Nil

Stage 1 English - Essential English EAL A

ESSENTIAL ENGLISH EAL A

Are you interested in:

Creating and responding to a range of texts, that will further develop your ability to effectively communicate in English and prepare you for the Stage 2 Essential English (EAL) course?

What we will do:

You will respond to and create texts in and for a range of personal, social, cultural, community, and/or workplace contexts. You will interpret information, ideas, and perspectives in texts and consider ways in which language choices are used to create meaning.

What we will learn:

You will develop your analytical skills and refine your proficiency in communicating accurately and creatively.

What we will be assessed on:

- Procedural Oral
- Advocacy Speech
- TV Show Analysis
- Blog Analysis

Additional Cost:

Nil

Stage 1 English - Essential English EAL B

Are you interested in:

Creating and responding to a range of texts, that will further develop your ability to effectively communicate in English and prepare you for the Stage 2 Essential English (EAL) course?

What we will do:

You will respond to and create texts in and for a range of personal, social, cultural, community, and/or workplace contexts. You will interpret information, ideas, and perspectives in texts and consider ways in which language choices are used to create meaning.

What we will learn:

You will develop your analytical skills and refine your proficiency in communicating accurately and creatively.

What we will be assessed on:

- Personal Reflection
- Film Response
- Advertising Analysis
- Food Review

Additional Cost:

Nil

Stage 1 English – English as an Additional Language A

ENGLISH AS AN ADDITIONAL LANGUAGE A

Are you interested in:

Developing and using a range of skills and strategies to understand, analyse and create texts and to communicate effectively with others?

What we will do:

You will study a variety of oral, written and multimodal texts, including informational and literary texts, and will develop an understanding of text structures and language features. You will identify and interpret information, ideas and opinions in texts and consider the context, purpose and audience of texts. You will create texts for different purposes and will develop skills for research and academic study.

What we will learn:

You will learn to exchange information, opinions, and experiences through writing and speaking in a range of contexts. You will learn to comprehend and interpret information, ideas and opinions presented in texts. You will learn to analyse different perspectives in texts and to understand how language features are used to communicate for different purposes. You will learn to create oral, written and multimodal texts that are appropriate to specific purposes, audiences and contexts.

How you will demonstrate evidence of your learning:

Responding to Texts

- Analytical Essay based on a documentary film
- Multimodal Persuasive Presentation to an audience

Interactive Study

- Discussion on an issue

Language Study

- Written/visual Report on the use of language in a specific context
-

Additional Cost:

Nil

Stage 1 English – English as an Additional Language B

ENGLISH AS AN ADDITIONAL LANGUAGE B

Are you interested in:

Developing and using a range of skills and strategies to understand, analyse and create texts and to communicate effectively with others?

What we will do:

You will study a variety of oral, written and multimodal texts, including informational and literary texts, and will develop an understanding of text structures and language features. You will identify and interpret information, ideas and opinions in texts and consider the context, purpose and audience of texts. You will create texts for different purposes and will develop skills for research and academic study.

What we will learn:

You will learn to exchange information, opinions, and experiences through writing and speaking in a range of contexts. You will learn to comprehend and interpret information, ideas and opinions presented in texts. You will learn to analyse different perspectives in texts and to understand how language features are used to communicate for different purposes. You will learn to create oral, written and multimodal texts that are appropriate to specific purposes, audiences and contexts.

How you will demonstrate evidence of your learning:

Responding to Texts

- 1 written – Creative Film Response
- 1 oral – Multimodal Presentation on an issue

Interactive Study

- Interview about an issue or aspect of cultural life

Language Study

- Multimodal Analysis of the use of language in a specific context
-

Additional Cost:

Nil

ENGLISH – Stage 2

Stage 2 English

ENGLISH

Are You interested in:

The opportunity to utilise and further your analytical and creative skills?

What we do:

You will implement and refine your ability to analyse the interrelationship of author, text, and audience, with an emphasis on how language and stylistic features shape ideas and perspectives in a range of contexts. Central to this will be considering the social, cultural, economic, historical, and/or political perspectives in texts and their representation of human experience and the world.

What we learn:

You will explore how the purpose of a text is achieved through application of text conventions and stylistic choices to position the audience to respond to ideas and perspectives. An understanding of purpose, audience, and context is applied in your own creation of imaginative, interpretive, analytical, and persuasive texts that may be written, oral, and or multimodal.

How you will demonstrate evidence of your learning:

- School Assessment (70%)
 - Responding to Texts x 3
 - Creating Texts x 3 + Writer's Statement
- External Assessment (30%)
 - Comparative Analysis x 1

Additional Cost:

Nil

Stage 2 English - English Literary Studies

ENGLISH LITERARY STUDIES

Are You interested in:

The skills and strategies of critical thinking needed to interpret texts?

What we do:

You will encounter different opinions about texts, develop ideas and support them with evidence, learn to construct logical and convincing arguments, and consider a range of critical interpretations of texts. You will produce clear and detailed responses and extend your ability to sustain a reasoned critical argument. By focusing on the creativity and craft of authors, you will develop strategies to enhance your skills in creating texts and put into practice the techniques you have observed.

What we learn:

You will focus on ways in which literary texts represent culture and identity, and on the dynamic relationship between authors, texts, audiences, and contexts. You will also develop an understanding of the power of language to represent ideas, events, and people in particular ways and of how texts challenge or support cultural perceptions.

How you will demonstrate evidence of your learning:

- School Assessment (70%)
 - Responding to Texts
 - Creating Texts
- External Assessment (30%)
 - Part A: Comparative Text Study (15%)
 - Part B: Critical Reading (15%)

Additional Cost:

Nil

Stage 2 English - Essential English

ESSENTIAL ENGLISH

Are You interested in:

Having your say about social issues, using your imagination to create stories and using your design skills to compliment reviews?

What we do:

You will consider and respond to information, ideas, and perspectives in texts selected from social, cultural, community, workplace, and or imaginative contexts. You will then apply this knowledge in the composition of your own creative pieces. All tasks will develop your English skills to make you an effective communicator in life after school.

What we learn:

By analysing different forms of communication such as speeches, reviews, and narratives you will develop an understanding of how language is used in a variety of contexts and for different purposes. You will also learn how different language choices can affect an audience and convey specific meanings or ideas.

How you will demonstrate evidence of your learning:

- School Assessment (70%)
 - Assessment Type 1: Responding to Texts x 3
 - Assessment Type 2: Creating Texts x 3
- External Assessment (30%)
 - Assessment Type 3: Language Study x 1

Additional Cost:

Nil

Stage 2 English – Essential English EAL

ESSENTIAL ENGLISH EAL

Are you interested in:

Creating and responding to a range of texts that will further develop your ability to effectively communicate in English?

What we will do:

You will respond to and create texts in and for a range of personal, social, cultural, community, and/or workplace contexts. You will interpret information, ideas, and perspectives in texts and consider ways in which language choices are used to create meaning.

What we will learn:

You will develop your analytical skills and refine your proficiency in communicating accurately and creatively.

What we will be assessed on:

- Personal Reflection
- Movie and YouTube advertisement responses
- Language Study – advertisement analysis
- Advocacy Speech and discussion

Additional Cost:

Nil

ENGLISH AS AN ADDITIONAL LANGUAGE (EAL)

Are You interested in:

Developing and using a range of skills and strategies to understand, analyse, and create texts and to communicate effectively with others?

What we do:

You will study a variety of oral, written and multimodal texts, including informational and literary texts and will develop an understanding of text structures and language features. You will interpret information, ideas and opinions in texts and consider the context, purpose and audience of texts. You will create texts for different purposes and will develop skills for research and academic study.

What we learn:

You will learn to exchange information, opinions, and experiences through writing and speaking in a range of contexts. You will learn to comprehend and interpret information, ideas and opinions presented in texts. You will learn to analyse different perspectives in texts and to understand how language features are used to communicate for different purposes. You will learn to create oral, written and multimodal texts that are appropriate to specific purposes and audiences.

How you will demonstrate evidence of your learning:

School Assessment (70%)

- Academic Literacy Study (30%)
 - Written Report
 - Oral Interaction (tutorial)
- Responses to Texts (40%)
 - Written Report on an issue
 - Multimodal/oral Creative Film Response
 - Written Documentary Analysis
 - Multimodal/oral Video Advertisement Analysis

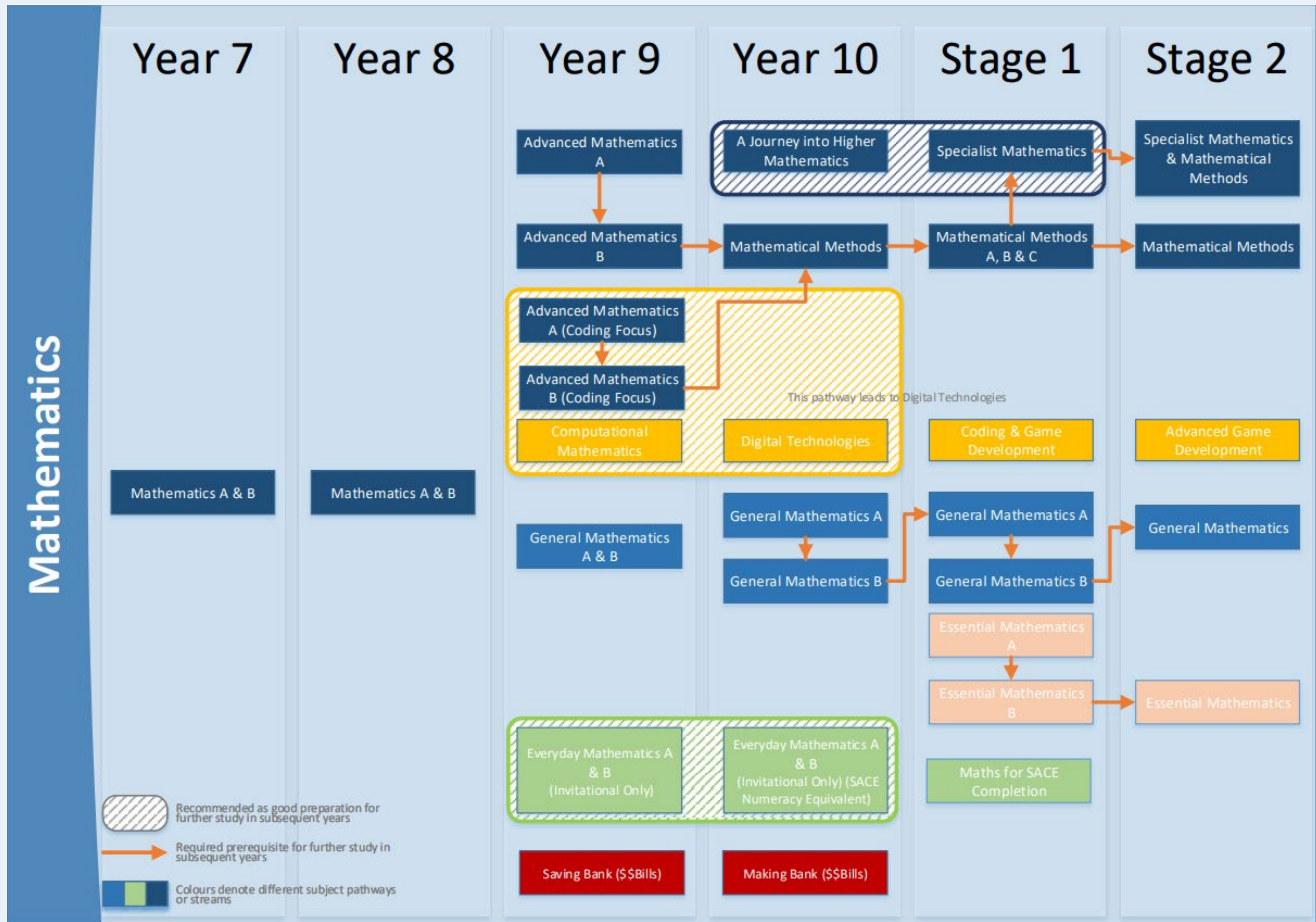
External Assessment (30%)

- Examination (30%)
-

Additional Cost:

Nil

MATHEMATICS Learning Area - Flow Chart



MATHEMATICS – Stage 1

Stage 1 Mathematics – Specialist Mathematics

SPECIALIST MATHEMATICS

Are You interested in:

Pursuing a career in Mathematics, Biotechnology, Veterinary Bioscience, Space Science and Astrophysics, Mathematics Teaching, Engineering, Medicine, Dentistry, Physics, Financial Mathematics or Computer Science at University OR a STEM job that is yet to be created. Studying Specialist Mathematics and Mathematical Methods at Stage 2

What we do:

Perform vector operations, the application of vectors and how they are applied in geometrical proofs. Model and transform trigonometric functions and circular motion (such as Ferris wheels, tidal variation, and wave propagation), and understand special relationships through the unit circle. Perform operations with complex numbers, how they are represented geometrically, and their use in solving problems that cannot be solved with real numbers alone. Introduce mathematical induction as a way of proving a given statement for a set of integers

What we learn:

You will focus on learning the following content and topics:

- Two-dimensional Vectors
- Further Trigonometric Functions
- Mathematical Induction
- Complex Numbers

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks
 - Mathematical Investigation
 - Exam
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities
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MATHEMATICAL METHODS A

Are You interested in:

Pursuing a career in Mathematics, Biotechnology, Veterinary Bioscience, Space Science & Astrophysics, Mathematics Teaching, Engineering, Medicine, Dentistry, Physics, Financial Mathematics or Computer Science at University OR a STEM job that is yet to be created. Studying Mathematical Methods at Stage 2.

What we do:

Describe, explain the characteristics and behaviour of a graph in relation to the situation being modelled. Gain an understanding of the graphical behaviour of polynomials and develop algebraic and technologic skills to solve polynomials. Simplify algebraic surds and indices to solve growth and decay situations, such as human population growth, the growth of bacteria, radioactive decay, and the spread of diseases to see how the wider community might use them for analysis, prediction, and planning

What we learn:

You will focus on learning the following content and topics:

- Functions and Graphs
- Polynomials
- Growth and Decay

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks
 - Mathematical Investigation
 - Exam
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities
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MATHEMATICAL METHODS B

Are You interested in:

Pursuing a career in Mathematics, Biotechnology, Veterinary Bioscience, Space Science & Astrophysics, Mathematics Teaching, Engineering, Medicine, Dentistry, Physics, Financial Mathematics or Computer Science at University OR a STEM job that is yet to be created. Studying Mathematical Methods at Stage 2

What we do:

Extend the understanding of trigonometry into non-right-angled triangles and learn about periodic functions by introducing the unit circle. Introduce radian's a measure of angle, the graphs of trigonometric functions, and their applications. Use statistics to help describe the centre and spread of a sample of data. Discuss why normal distributions occur and the features associated with them. Use technology to assist in the modelling of normal distributions and the calculation of probabilities. Perform matrix arithmetic, including addition and subtraction, scalar and matrix multiplication, inverse matrices and the determinant.

What we learn:

You will focus on learning the following content and topics:

- Trigonometry
- Statistics
- Matrices

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks
 - Mathematical Investigation
 - Exam
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities
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MATHEMATICAL METHODS C

Are You interested in:

Pursuing a career in Mathematics, Biotechnology, Veterinary Bioscience, Space Science & Astrophysics, Mathematics Teaching, Engineering, Medicine, Dentistry, Physics, Financial Mathematics or Computer Science at University OR a STEM job that is yet to be created Studying Mathematical Methods at Stage 2

What we do:

Find exact solutions to an equation where the power is an unknown quantity. Use formulas and notation to calculate the number of ways of making several different choices in succession, different groups and without listing all outcomes. Introduce to rates and average rates of change, the derivative as an 'instantaneous rate of change'. Calculate Newton quotients, both geometrically and algebraically. Use calculus for simple applications of the derivative including curve sketching, calculating slopes and equations of tangents, determining instantaneous velocities, and solving optimisation problems.

What we learn:

You will focus on learning the following content and topics:

- Growth and Decay
- Counting
- Introduction to Differential Calculus

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks
 - Mathematical Investigation
 - Exam
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities
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GENERAL MATHEMATICS A

Are You interested in:

Pursuing a career in fields which may require a non-specialised mathematical background, including psychology, business or health science. Studying General Mathematics B at Stage 1 and General Mathematics (or Essential Mathematics) at Stage 2

What we do:

Use measurement techniques such as estimation, units of measurement, scientific notation, and measuring devices, and consider their accuracy. Apply formulas and methods to calculate the perimeter, area, and volume of various regular and irregular shapes, including compound shapes. Perform right-angled and non-right-angled trigonometry to find unknown sides, angles and areas in triangles in 2D and 3D shapes. Utilise matrix arithmetic, both numerically and using technology, for costing and stock management. Use graph theory and algorithms to find solutions to a range of optimisation problems, including the number of paths, shortest or longest path, and the minimum connection or maximum flow in a network.

What we learn:

You will focus on learning the following content and topics:

- Applications of Trigonometry
- Measurement
- Matrices and Networks

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

Skills and Application Tasks
Mathematical Investigation
Exam

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities
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GENERAL MATHEMATICS B

Are You interested in:

Pursuing a career in fields which may require a non-specialised mathematical background, including psychology, business or health science. Studying General Mathematics (or Essential Mathematics) at Stage 2

What we do:

Calculate expected returns from simple and compound investments using electronic technology, examine the effects of changing interest rates, terms and investment balances, including superannuation accounts. Compare various scenarios and considerations of the limitations on the reliability of predictions made using simple and compound interest models. Examine linear and exponential models both graphical and algebraical in a wide variety of contexts with the assistance of technology. Recognise the importance of eliminating bias to ensure valid and reliable results, represent data in a table and graphically, and calculate of summary statistics. Form predictions that are supported or refuted from the results of analysis of the data.

What we learn:

You will focus on learning the following content and topics:

- Investing and Borrowing
- Linear and Exponential Functions and their Graphs
- Statistical Investigation

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks
 - Mathematical Investigation
 - Exam
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities

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ESSENTIAL MATHEMATICS A

Are You interested in:

Pursuing a career in a range of trades/vocations or to study mathematics that is suited to everyday life. Studying Essential Mathematics B at Stage 1 and Essential Mathematics at Stage 2. Completing a higher standard of mathematics at the Essential level.

What we do:

Investigate the different ways of being paid for work, the impact of taxation on your income, and how to manage the spending of your earnings through budgeting. Identify problems involving length, area, mass, volume and capacity, and apply relevant techniques to solve them. Perform right-angled and non right-angled trigonometry to find unknown sides, angles and areas in triangles in 2D.

What we learn:

You will focus on learning the following content and topics:

- Pythagoras & Non-Right Angled Trigonometry
- Measurement
- Earning and Spending

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks
 - Mathematical Investigation
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities
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ESSENTIAL MATHEMATICS B

Are You interested in:

Pursuing a career in a range of trades/vocations or to study mathematics that is suited to everyday life
Studying Essential Mathematics at Stage 2

What we do:

Classify a variety of 2D and 3D shapes according to their geometric properties. Measure and classify angles and use instruments to construct geometrical figures in contextual situations. Read and critically interpret data in various forms. With the assistance of technology, collect, organise, analyse, and interpret data to make informed decisions and predictions or support a logical argument. Calculate simple and compound interest and how to analyse materials from various financial institutions outlining their financial products. With an emphasis on technology examine how changing interest rates, terms, and investment balances influence interest earned.

What we learn:

You will focus on learning the following content and topics:

- Geometry
- Data in Context
- Investing

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks
 - Mathematical Investigation
 - Exam
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities
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Maths for SACE Completion

Are You interested in:

Achieving the numeracy requirements for SACE at Stage 1.
Studying mathematics that is suited to everyday life.

What we do:

Focus on the completion of the SACE Numeracy requirements.

By hand and through technology, develop mathematical skills such as arithmetic, approximation, multi-step problem-solving, rounding, scientific notation, time, rates, ratio, and scale. Investigate the different ways of being paid for work, the impact of taxation on your income, and how to manage the spending of your earnings through budgeting. Identify problems involving length, area, mass, volume and capacity, and apply relevant techniques to solve them.

What we learn:

You will focus on learning the following content and topics:

- Calculations, Time, and Ratio
- Measurement
- Earning and Spending

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks
 - Mathematical Investigation
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities
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MATHEMATICS – Stage 2

Stage 2 Mathematics – Specialist Mathematics

SPECIALIST MATHEMATICS

Are You interested in:

Pursuing a career in Mathematics, Biotechnology, Veterinary Bioscience, Space Science & Astrophysics, Mathematics Teaching, Engineering, Medicine, Dentistry, Physics, Financial Mathematics or Computer Science at University OR a STEM job that is yet to be created

What we do:

The applications of mathematical induction. Polar form for complex numbers, understand that every polynomial equation has a solution in the form of complex number, and de Moivre's theorem to find n th roots. Sketch inverse functions, composite functions, reciprocal and rational functions. The study of lines and planes in three dimensions, their intersections, and the angles they form. Use vector methods of proof to solve geometric problems in three dimensions. Learn integration techniques for a greater range of trigonometric functions and composite functions which leads to calculations of the areas between curves and the volumes of solids of revolution. The study of differentiation and integration of functions with techniques for vector and first-order differential equations.

What we learn:

You will focus on learning the following content and topics:

- Mathematical Induction
- Complex Numbers
- Functions and Sketching Graphs
- Vectors in Three Dimensions
- Integration Techniques and Applications
- Rate of Change and Differential Equations

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks (50%)
 - Mathematical Investigation (20%)
 - Exam (30%)
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities

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MATHEMATICAL METHODS

Are You interested in:

Pursuing a career in Mathematics, Biotechnology, Veterinary Bioscience, Space Science & Astrophysics, Mathematics Teaching, Engineering, Medicine, Dentistry, Physics, Financial Mathematics or Computer Science at University OR a STEM job that is yet to be created

What we do:

Develop a conceptual grasp of calculus and the ability to use its techniques in applications through various mathematical models. Use the derivatives of exponential, logarithmic and trigonometric functions, and their applications, together with differentiation techniques and applications to optimise problems and sketch graphs. Use integration as a process to reverse differentiation and a way of calculating areas. Obtain an understanding of how and why statistical decisions are made. Work with discrete and continuous variables, and the normal distribution to examine arguments and conjectures from a statistical point of view

What we learn:

You will focus on learning the following content and topics:

- Further differentiation and applications
- Integral Calculus
- Logarithmic Functions
- Discrete Random Variables
- Continuous Random Variables and the Normal Distribution
- Sampling and Confidence Intervals

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks (50%)
 - Mathematical Investigation (20%)
 - Exam (30%)
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities

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GENERAL MATHEMATICS

Are You interested in:

Pursuing a career in fields which may require a non-specialised mathematical background, including psychology, business or health science

What we do:

The application of linear programming and its use to find optimal solutions to problems in everyday contexts. Apply matrices, examine the efficiency or reliability of a network system by considering the number of paths it contains and predicting future trends in situations where things change state over time. Utilise technology and statistical tools such as scatter plots and regression to analyse data, find algebraic models and use them for predictive purposes. Apply the normal distribution to solve problems and make predictions in a variety of contexts. Use the annuity model for investing and borrowing to know-how, to save money for a future need, reduce the cost of a reducing balancing loan and receiving an income stream from a lump-sum investment (e.g. superannuation). Determine the shortest time in which a complex task can be completed and identifying the critical components of that task and the Hungarian algorithm to determine the solution(s) to assignment problems

What we learn:

You will focus on learning the following content and topics:

- Modelling with Linear Relationships
- Modelling with Matrices
- Statistical Model
- Financial Models
- Discrete Models

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
 - Collaboration
 - Literacy
 - Numeracy
 - ICT
-

How you will demonstrate evidence of your learning:

- Skills and Application Tasks (40%)
 - Mathematical Investigation (30%)
 - Exam (30%)
-

Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities

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ESSENTIAL MATHEMATICS

Are You interested in:

Pursuing a career in a range of trades/vocations or to study mathematics that is suited to everyday life

What we do:

Know the properties of plane shapes and solids and construct the nets of a range of 3D shapes. Use scaled representations to determine full-scale measurements in practical contexts. Solve a range of measurement problems for 2D and 3D shapes. Use Pythagoras's theorem and trigonometry to solve a range of contextual problems. Consider the location, spatial requirements, pricing policies and the mathematical analysis of their impact on the profitability of the business and taxation when setting up and running a business. Know the importance of eliminating bias and ensure the data from the sample is valid and reliable. Make comparisons from two or more sets of data using statistical calculations and graphical representations. Use linear regression to investigate the relation between two variables and make predictions where appropriate. Utilise the annuity model for investing and borrowing to know-how, to save money for a future need, reduce the cost of a reducing balancing loan and receiving an income stream from a lump-sum investment (e.g. superannuation)

What we learn:

You will focus on learning the following content and topics:

- Scales, Plans, and Models
- Measurement
- Business Applications
- Statistics
- Investments and Loans

You will also continue to develop the following capabilities:

- Critical Thinking & Problem Solving
- Collaboration
- Literacy
- Numeracy
- ICT

How you will demonstrate evidence of your learning:

- Skills and Application Tasks (40%)
- Mathematical Investigations (30%)
- Exam (30%)

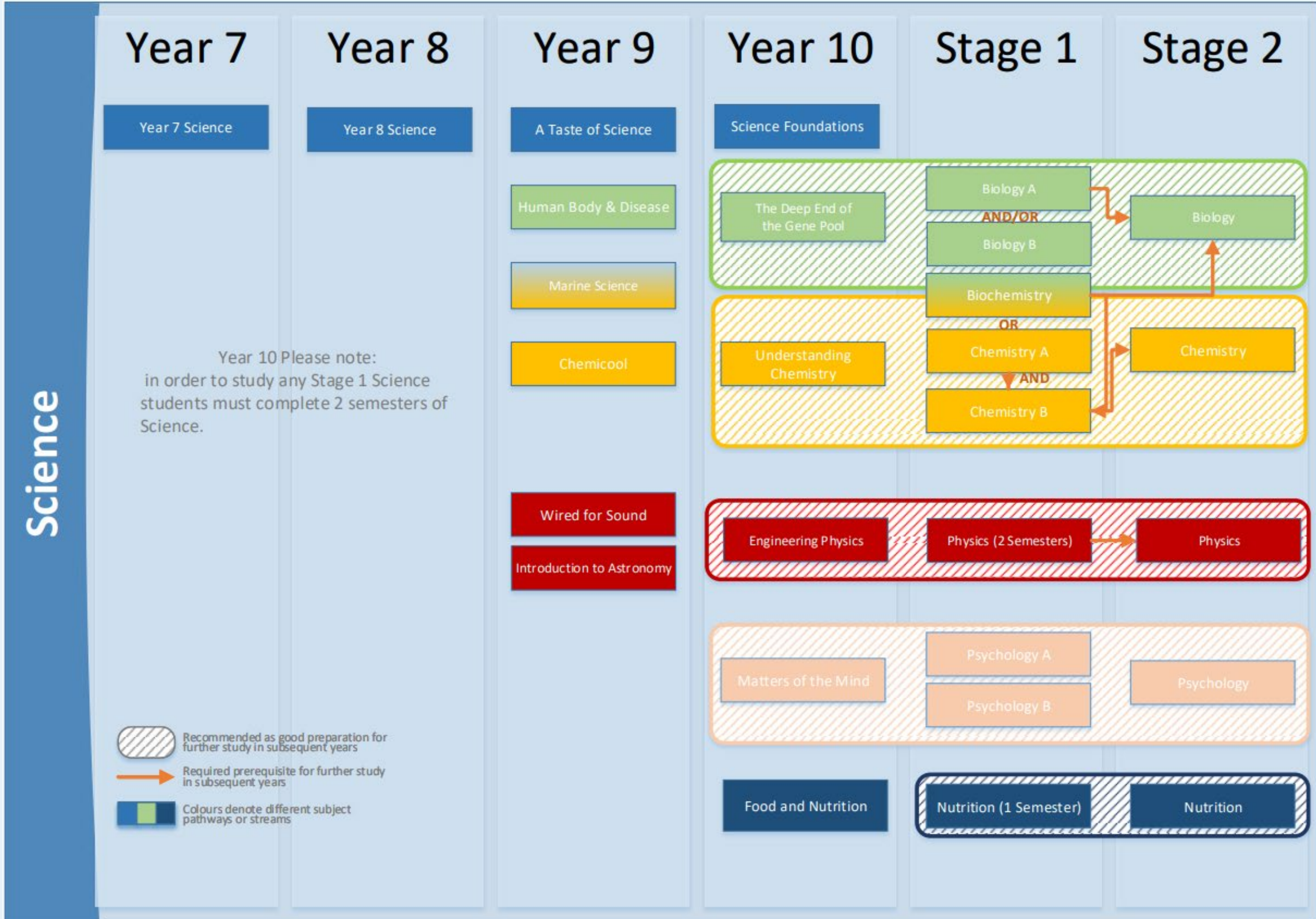
Additional Cost:

Cost may be incurred when participating in Mathematical excursions or activities

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SCIENCE Learning Area - Flow Chart



SCIENCE – Stage 1

Stage 1 Science – Biology A

BIOLOGY A

Are you interested in:

Learning about living things from the smallest component of DNA to the interactions of microorganisms in their environments?

What we do:

You will develop both your research and problem-solving skills through your exploration of the different areas of Biology, exploring current and contemporary examples of technology and advancements in Biology. You will elaborate on the fundamental benefits of the society-science relationship through in depth research of an infectious disease. A practical investigation will be designed, conducted, and analysed regarding an area of importance in the field of cells.

What we learn:

You will explore cells as the basis for all life, including their structure and functions and what is needed by an organism to stay alive and transfer biological information from generation to generation. You will then explore the wonderful world of microorganisms and their use and importance to humans. This will lead into detailed examination of the causes and prevention of disease, and the immune response that follows.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
- Science as a Human Endeavour Research Investigation
- Skills and Application tasks (Test/Exam)

Additional Cost:

Nil

Stage 1 Science – Biology B

BIOLOGY B

Are you interested in:

Learning about living systems and the interactions of organisms in their environments? Biology is all around you, you are Biology!

What we do:

You will develop both your research and problem-solving skills through your exploration of the different areas of Biology, exploring current and contemporary examples of technology and advancements in Biology. You will elaborate on the fundamental benefits of the society-science relationship through in-depth research of the importance of keystone species to all ecosystems. A practical investigation will be designed, conducted, and analysed regarding an area of importance in the field of multicellular organisms.

What we learn:

You will study the systems and processes in multicellular organisms. This will be followed by examining how organisms interact with their environment, with a focus on the diversity of living things. Types of adaptations that enhance the organism's survival in a particular environment will be analysed, and the role that homeostatic mechanisms play in maintaining the internal environment is explored.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
- Science as a Human Endeavour Research Investigation
- Skills and Application tasks (Test/Exam)

Additional Cost:

Nil

Stage 1 Science – Chemistry A

CHEMISTRY A

Are you interested in:

Learning about atoms and molecules

What we do:

You will develop both your research and problem-solving skills through your study of atomic and molecular structures and how these influence the properties of materials. You will explore current and contemporary examples of technology and advancements in Chemistry and conduct in depth research in one of these that analyses the relationship between science and society. A practical investigation will be completed in which you design and conduct a procedure relating to polymers.

What we learn:

You will study a range of topics that will prepare you for further studies in chemistry at Stage 1 in semester 2 and in Stage 2. Topic Range: Materials and their Atoms, Combining Atoms, and Molecules.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
- Science as a Human Endeavour Research Investigation
- Skills and Application tasks (Test/Exam)

Additional Cost:

Nil

Stage 1 Science – Chemistry B

CHEMISTRY B

Are you interested in:

Learning about acids, bases and electrochemistry?

What we do:

You will develop both your research and problem-solving skills through your study of mixtures, solutions and chemical measurements, electrochemistry and redox reactions. You will explore current and contemporary examples of technology and advancements in chemistry, and conduct in depth research in one of these areas that analyse the relationship between science and society. A practical investigation will be completed in which you design and conduct a procedure relating to electrical chemistry.

What we learn:

You will study a range of topics that will prepare you for further studies in chemistry at Stage 2. Topic Range: Mixtures and Solutions, Acids and Bases, and Redox Reactions.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
- Science as a Human Endeavour Research Investigation
- Skills and Application tasks (Test/Exam)

Additional Cost:

Nil

Stage 1 Science – Nutrition

NUTRITION

Are you interested in:

Learning and understanding human nutrition, health and emerging food trends

What we do:

You will develop knowledge and understanding of nutrients and how the body utilise nutrients. You will engage in investigating different demographics and examine political, economic, cultural and ethical influences on food sustainability. You will be able to research current and emerging food trends and technology within food production and sustainability.

What we learn:

You will study a range of nutritional concepts and their relationship with diet, health and disease. You will research a nutritional issue and pose possible outcomes for the future. Topics range from nutrition, physiology and health, health promotion and emerging nutritional trends, food processing and sustainable food methods.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
 - Science as a Human Endeavour Research Investigation
 - Nutrition Case Study Analysis
 - Skills and Application tasks (Test/Exam)
-

Additional Cost:

Nil

Stage 1 Science – Physics A

PHYSICS A

Are you interested in:

Learning how the laws of physics explain the behaviour of all aspects of the Universe around us?

What we do:

In this subject you will have the opportunity to develop your understanding of the laws of physics, as well as your ability to design and conduct scientific investigations in order to collect, analyse and evaluate experimental data. You will also learn how to write effectively in the literary genres specific to SACE Physics, such as practical reports and Science as a Human Endeavour research tasks.

What we learn:

Topics studied in this semester include Forces & Motion in 1D, Energy & Power, Heat and Nuclear Physics.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
 - Science as a Human Endeavour Research Investigation
 - Skills and Application tasks (Test/Exam)
-

Additional Cost:

Nil

Stage 1 Science – Physics B

PHYSICS B

Are you interested in:

Learning how the laws of physics explain the behaviour of all aspects of the Universe around us?

What we do:

In this subject you will have the opportunity to develop your understanding of the laws of physics, as well as your ability to design and conduct scientific investigations in order to collect, analyse and evaluate experimental data. You will also learn how to write effectively in the literary genres specific to SACE Physics, such as practical reports and Science as a Human Endeavour research tasks.

What we learn:

Topics studied in this semester include Wave Motion & Optics, Electricity & Electrical Circuits, and Momentum.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
- Science as a Human Endeavour Research Investigation
- Skills and Application tasks (Test/Exam)

Additional Cost:

Nil

Stage 1 Science – Psychology A

PSYCHOLOGY A

Are you interested in:

Understanding the complexity of the human mind?

What we do:

You will develop your ability to think like a psychologist by understanding theories that guide our knowledge of human thoughts and behaviours. You will have the opportunity to participate in SACE approved psychology experiments, from which we will collect data, interpret results and analyse the research process. You will explore contemporary examples of science related to psychology and analyse them using scientific thinking skills. There will be opportunities to engage with professional psychologists and practitioners.

What we learn:

You will study a range of topics that mirror the work of professional psychologists, whilst developing your critical thinking and problem-solving skills. Topic range: **psychological wellbeing** (frameworks and strategies for improving mental wellness), **memory and cognition** (how memory works and how to improve it), and **sports psychology** (goal setting and motivation).

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
- Science as a Human Endeavour Research Investigation
- Skills and Application tasks (Test/Exam)

Additional Cost:

Nil

Stage 1 Science – Psychology B

PSYCHOLOGY B

Are you interested in:

Understanding the complexity of the human mind?

What we do:

You will develop your ability to think like a psychologist by understanding theories that guide our knowledge of human thoughts and behaviours. You will have the opportunity to participate in SACE approved psychology experiments, from which we will collect data, interpret results and analyse the research process. You will explore contemporary examples of science related to psychology and analyse them using scientific thinking skills. There will be opportunities to engage with professional psychologists and practitioners.

What we learn:

You will study a range of topics that mirror the work of professional psychologists, whilst developing your critical thinking and problem-solving skills. Topic range: forensic psychology (factors involved in criminal profiling, and accuracy of eyewitness memory), neuropsychology (functions of the brain and neurological changes) and lifespan psychology (the influence of our childhood relationships on adulthood, and psychological milestones as we grow).

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
- Science as a Human Endeavour Research Investigation
- Skills and Application tasks (Test/Exam)

Additional Cost:

Nil

Stage 1 Science – Biochemistry

BIOCHEMISTRY

Are you interested in:

The interaction between Biology and Chemistry

What we do:

You will develop both your research and problem-solving skills through your study of atoms, cells and important chemical processes that affect living things and the environment. You will explore current and contemporary examples of technology and advancements in the field of Biochemistry and conduct in depth research in one of these that analyses the relationship between science and society. Two practical investigations will be completed in which you design and conduct procedures relating to enzymes and polymers. *Note: This is a 20-credit subject in which students gain 10 credits for both Stage 1 Biology and Chemistry. The course has an additional requirement of one extra double lesson per week*

What we learn:

You will study a range and combination of topics that will prepare you for further studies in Chemistry or Biology at Stage 1 in semester 2 and in Stage 2. Topic Range: Materials and their atoms, combining atoms, molecules, cells, biodiversity and ecosystem dynamics.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills Tasks (options for written and multimodal responses)
- Science as a Human Endeavour Research Investigation
- Skills and Application tasks (Test/Exam)

Additional Cost:

Nil

SCIENCE – Stage 2

Stage 2 Science – Biology

BIOLOGY

Are you interested in:

The interaction of living organisms; from cellular processes to the theory of evolution?

What we do:

You will develop both your research and problem-solving skills through your exploration of the different areas of Biology, exploring current and contemporary examples of technology and advancements in Biology. You will elaborate on the fundamental benefits of the science and society relationship through in depth research of a new and emerging area of Biology. A practical question will be deconstructed, and an investigation will be designed, conducted, and analysed regarding an area of importance in Biology.

What we learn:

You will explore living organisms from the smallest level of DNA, and how DNA and proteins direct all cell processes and functions. Next you will learn about cells as the basis for all life, including their structure and functions and what is needed by an organism to stay alive and transfer biological information from generation to generation. You will then explore the interactions of cells and organisms within their environment, and the homeostatic mechanisms in place to ensure survival. This will lead into detailed examination of the theory of evolution and the new technological advancements that allow us to determine evolutionary relationships more accurately.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills (options for written and multimodal)
 - Science as a Human Endeavor Research Investigation
 - Skills and Application Tasks (test/exam)
-

Additional Cost:

Nil

Stage 2 Science – Chemistry

CHEMISTRY

Are you interested in:

How chemistry has an impact of everyday life ranging from environmental and Atmospheric Chemistry to Organic Chemistry to the chemical methods of energy production and resource use?

What we do:

You will develop your research and problem-solving skills through exploration of the topics throughout the chemistry course. You will explore current and contemporary issues where advancements in Chemistry and technology influence the world we live in and connect areas of Chemistry and their relationship to Society. A practical will be developed through deconstruction of a real-world problem which can be analysed, and a practical designed to test these ideas.

What we learn:

You will explore how and why we should monitor the chemistry of the environment and atmosphere, and how analytical methods and knowledge of the atom can help achieve this. You will learn how to manage chemical reactions and adjust conditions to improve the rate and yield of chemical systems. You will develop and apply the rules for drawing and naming organic compounds and understand important reactions involving a range of organic molecules. You will also explore how resources are managed by studying the processes of energy production, water treatment, and production of common materials.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills (options for written and multimodal)
 - Science as a Human Endeavor Research Investigation
 - Skills and Application Tasks (test/exam)
-

Additional Cost:

Nil

Stage 2 Science – Nutrition

NUTRITION

Are you interested in:

Understanding food, human nutrition, and food availability?

What we do:

You will develop knowledge of nutrition and the relationship between diet, health and disease. You will do this by analysing case studies to improve overall health and nutrition as well as analysing the sensory appeal of food through the collection of data. You will consider the difference in food availability and product development focusing on economic, cultural, ethical influences and ecological sustainability to make recommendations on future food requirements.

What we learn:

You will study a range of nutritional topics that reflect the work of Nutritionists and Dieticians. You will immerse yourself in sustainability and reflecting on how future food production can occur. Topics range from the principles of nutrition including digestion and metabolism, health promotion and reflection on diet and lifestyle as well sustainable food systems.

How you will demonstrate evidence of your learning:

- Science Inquiry Skills (options for written and multimodal)
 - Science as a Human Endeavor Research Investigation
 - Skills and Application Tasks (test/exam)
 - Nutrition Case Study Analysis
-

Additional Cost:

Nil

Stage 2 Science – Physics

PHYSICS

Are you interested in:

Learning how the laws of physics explain the behaviour of all aspects of the Universe around us?

What we do:

In this subject you will have the opportunity to develop your understanding of the laws of physics, as well as your ability to design and conduct scientific investigations in order to collect, analyse and evaluate experimental data. You will also learn how to write effectively in the literary genres specific to SACE Physics, such as practical reports and Science as a Human Endeavour research tasks.

What we learn:

- **Motion & Relativity:** Projectile motion, momentum, gravitation & satellite motion, special relativity
- **Electricity & Magnetism:** Electric fields, magnetic fields, electromagnetic induction
- **Light & Atoms:** Wave & particle behaviours of light, atomic structure, the standard model of particle physics

How you will demonstrate evidence of your learning:

- Science Inquiry Skills (options for written and multimodal)
- Science as a Human Endeavor Research Investigation
- Skills and Application Tasks (test/exam)

Additional Cost:

Nil

Stage 2 Science – Psychology

PSYCHOLOGY

Are you interested in:

Building knowledge and skills for a future in psychology?

What we do:

You will develop psychological thinking skills and a broader understanding of the different fields involved in the profession. You will have the opportunity to participate in and conduct psychological experiments, from which you will collect data, interpret results and analyse the research process. You will explore contemporary examples of science related to psychology and analyse them using scientific thinking skills. There will be opportunities to engage with professional psychologists and practitioners.

What we learn:

You will study a range of topics that reflect professional psychologists' work and research, whilst developing thorough analytical and evaluative skills. Topic range: personality (theories and assessment of the individual), social influence (how attitudes and behaviours are shaped by our environments), organisational psychology (satisfaction, cultural-fit and leadership styles within the workplace), learning (fundamental processes for adapting to our environment) and psychological health and wellbeing (resilience, stress and mental disorders).

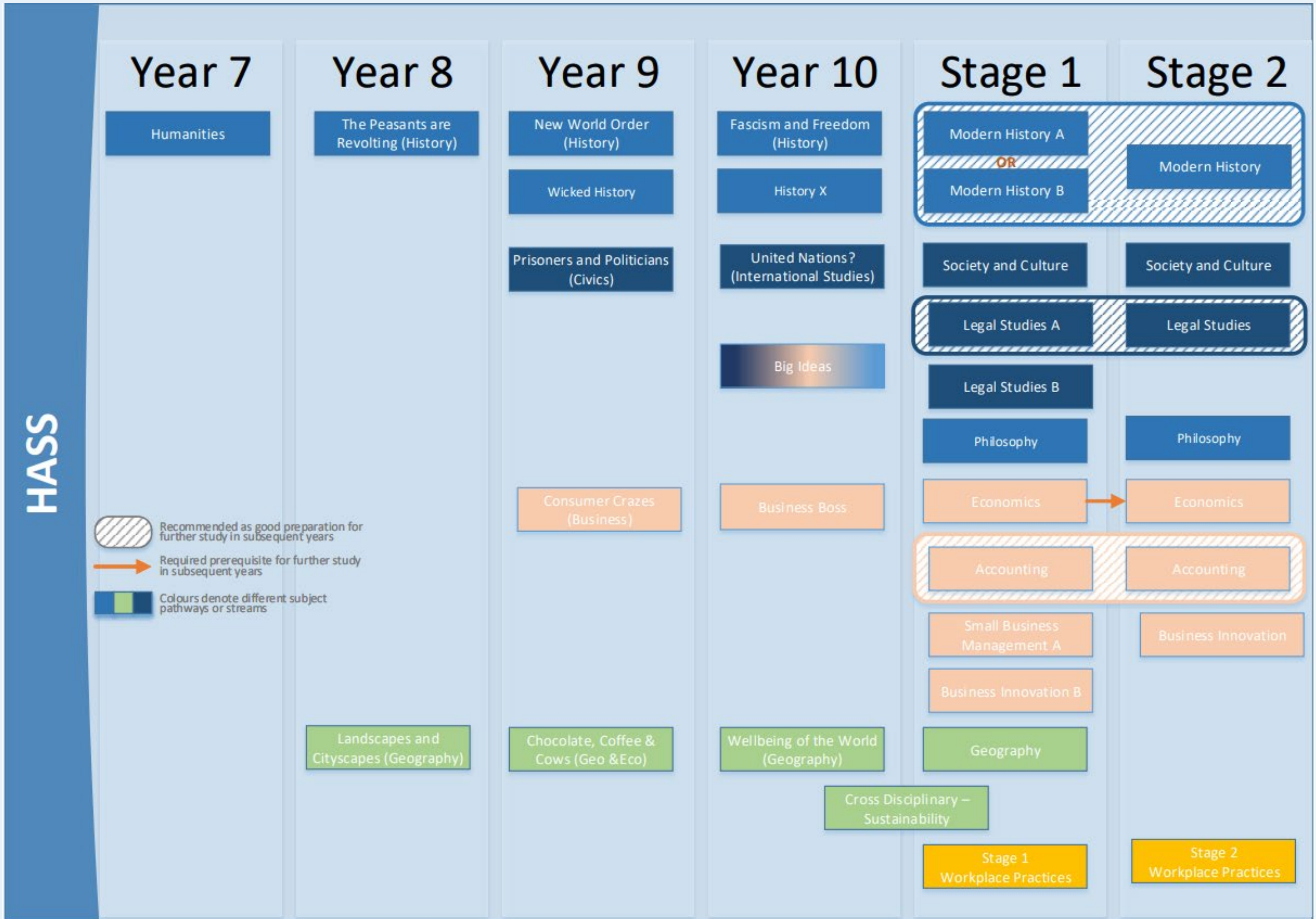
How you will demonstrate evidence of your learning:

- Science Inquiry Skills (options for written and multimodal)
- Science as a Human Endeavor Research Investigation
- Skills and Application Tasks (test/exam)

Additional Cost:

Nil

HUMANITIES Learning Area - Flow Chart



HUMANITIES – Stage 1

Stage 1 HASS – Research Skills

RESEARCH SKILLS

Are You interested in:

How to conduct research *like a boss*?

What we do:

Research practices introduces you to all the tips to start conducting research at a senior level. This course is designed to support you to succeed when you tackle the Research Project, which is compulsory to achieve your SACE.

What we learn:

Examines the purpose of research and explores a range of research approaches. Develops your investigative and inquiry skills. How to analyse information to use in your research project and other SACE subjects. You will develop skills in undertaking research, such as planning research, developing and analysing data and presenting your findings.

How you will demonstrate evidence of your learning:

- Source Analysis
- Information report
- Comparative analysis task
- Design of a research Instrument

Additional Cost:

Nil

Stage 1 HASS - Activating Identities and Futures - AIF

ACTIVATING IDENTITIES AND FUTURES - AIF

Are You interested in:

Becoming an expert on a topic of your own passion and interest?

What we do:

In the Research Project, you will have the opportunity to study an area of personal interest in depth. Use your creativity and initiative, while developing the research and presentation skills you will need in further study or work. The Research Project is a compulsory SACE subject designed to develop you as an independent learner.

What we learn:

How to develop an idea into a manageable project through the planning phase. Research and inquiry methods. Analytical and critical thinking skills. How to substantiate your ideas using data and evidence.

How you will demonstrate evidence of your learning:

- Folio
- Outcome (your choice of presentation format)
- Evaluation

Additional Cost:

Nil

Stage 1 HASS - Modern History A

MODERN HISTORY A - REVOLUTIONS AND TURMOIL

Are you interested in:

Events that changed the world and shaped the way we live today? Finding out about how radical people and ideas united or divided nations?

What we do:

You will explore how and why revolutions occur and analyse the causes and developments of major revolutions that changed the world. You will investigate different perspectives and motivations of people and groups in society. You will consider the relevance of radical ideas in today's society.

What we learn:

You will compare the French and Russian Revolutions and their consequences. How new and revolutionary ideas were used to confront and control power structures and political opposition. The short and long term impact of revolutionary ideas on different groups and how societies and systems evolved through revolutionary ideas, methods and actions. The use of terror as a powerful method of social control and we learn why, in a revolution, royalty usually winds up dead.

How you will demonstrate evidence of your learning:

- Essays
 - Source Analyses
 - Empathy piece
 - Multi-Modal presentations
-

Additional Cost:

Nil

Stage 1 HASS - Modern History B

MODERN HISTORY B - IMPERIALISM AND SLAVERY

Are you interested in:

Why they play cricket in Jamaica? How Britannia 'ruled the waves' or did they 'waive the rules'? Events that changed the world and shaped the way we live today? How modern-day protests had their beginnings centuries ago?

What we do:

You will explore the development and expansion of powerful European empires and the impact of their relentless expansion. You will compare and contrast European and Indigenous cultures and societies and consider different perspectives and motivations of people and groups. You will investigate the slave trade and the developments of the abolition movement in America.

What we learn:

The social, economic and political conditions that resulted in colonial expansion. The impact of colonialism and slavery on indigenous peoples with a focus on the United States and Australia. How colonialism and a yearning for independence has shaped the modern world. The legacy of slavery and its impacts on US society and you will consider how this continues to shape America today. You will also examine the continuing phenomenon of slavery in the modern world.

How you will demonstrate evidence of your learning:

- Essay
 - Source Analyses
 - Empathy piece
 - Multi-Modal presentation
-

Additional Cost:

Nil

Stage 1 HASS - Legal Studies A

LEGAL STUDIES A - LAW DOWN UNDER

Are You interested in:

Law and Order...not the TV show.

What we do:

You will investigate the foundation, flaws and strengths of the Australian legal system. You will participate in mock trials, mock parliaments and write our own bills. You will debate and discuss issues in Australian society and propose recommendations and solutions for a better tomorrow.

What we learn:

How Australian democracy was born, the division and separation of lawmaking and legal powers in Australia. How the law maintains order and evolves in response to the needs of citizens. The features, strengths and weaknesses of the Adversarial system of trial and how you can apply legal principles to social issues.

How you will demonstrate evidence of your learning:

- Multimodal presentation
- Written reports/investigations
- Group presentations (mock trials/mock parliaments)
- Summative exam

Additional Cost:

Law in Australian Society by Keiran Hardy: \$30 - \$60 (recommended but not required)
Excursion costs made be incurred.

Stage 1 HASS - Legal Studies B

LEGAL STUDIES B - KNOW YOUR RIGHTS

Are You interested in:

Our laws, your rights.

What we do:

You will investigate the foundation, flaws and strengths of the Australian legal system. You will explore the impact of technology and the complexities this poses for the law. You will discuss and analyse issues in society for young people and propose changes for a better future.

What we learn:

The principles that form the foundation of law in Australian society. How young people are impacted by and treated under the law. The changing nature of the law in response to technology and online behaviour and how the challenges of fast-paced change can be understood within our legal framework.

How you will demonstrate evidence of your learning:

- Multimodal presentations
- Written reports/investigations
- Group presentations (mock trials/mock parliaments)
- Summative exam

Additional Cost:

Law in Australian Society by Keiran Hardy: \$30 - \$60 (recommended but not required)
Excursion costs may be incurred.

Stage 1 HASS – Economics

ECONOMICS

Are you interested in:

How income, wealth, employment and financial security is effected now and in the future?

What we do:

You will examine how resources are allocated so that goods and services are produced, distributed, and exchanged to satisfy society's unlimited needs and wants. You will apply economic models to real world situations. You will investigate the choices that millions of people make every day when they interact with each other, with markets, with the government, and with their natural surroundings. You will learn the theory and consequences of government interventions and the impact on various stakeholders.

What we learn:

How the economy works and which issues affect it. The methods applied to tackle the most important issues of wealth and scarcity facing humanity currently and in the future. The four economics concepts of scarcity, choice, opportunity, cost, and the cause and effect of economic decisions. You will study economic models and apply them to authentic contexts to develop our skills in economic decision-making.

How you will demonstrate evidence of your learning:

- Response to stimulus (analysis task)
 - Price mechanism analysis
 - Multimedia presentation
 - Macroeconomic project
-

Additional Cost:

Nil

Stage 1 HASS - Accounting

ACCOUNTING - CRACKING THE CODE OF BUSINESS FINANCE

Are You interested in:

Cracking the code of business finance and making smart financial decisions like a pro?

What we do:

You will dive into the world of business finance and learn how to create and interpret key financial statements, like balance sheets and income statements. These tools will help you understand how businesses make money and how they manage it. You will get hands-on experience with real-world financial scenarios and develop the skills to make informed decisions that could shape the future of a business.

What we learn:

You will discover how to make savvy business decisions by preparing and analysing financial data and reports. Decode financial information to give expert advice and make predictions. Understand what different stakeholders need to know about finances and use financial data to plan strategically and evaluate business performance.

How you will demonstrate evidence of your learning:

- Tests: show off your knowledge of accounting concepts and principles
 - Accounting inquiry: investigate accounting issues and present your discoveries.
 - Exam: Prove your skills in interpreting and analysing financial information in a formal exam setting.
-

Additional Cost:

Nil

Stage 1 HASS - Society & Culture

SOCIETY AND CULTURE

Are You interested in:

Controversy, social issues and acting for change?

What we do:

You will examine social issues from a range of perspectives. You will analyse current issues in society and reflect on the shared values and norms held by different cultures and how they change over time.

What we learn:

How societies change and respond to new ideas. Youth culture and issues faced by young people today. The Use of power and authority to influence and disadvantage certain groups in society. The perspectives of people and groups in a range of relevant ethical issues. You will undertake a personal investigation of a social issue and suggest possible solutions.

How you will demonstrate evidence of your learning:

- Group social action/oral presentations
- Essay
- Multimodal report
- Investigative report

Additional

Nil

Stage 1 HASS – Philosophy

PHILOSOPHY

Are you interested in:

The nature of reality and the existence of things such as God? Is it possible that the world we perceive is an illusion? What is knowledge? Do we have freewill or is everything determined?

What we do:

Debate and discuss important concepts, theories, topics and questions within Philosophy. You will develop our ethical understanding by participating in the Ethics Olympiad. You will conduct thought and physical experiments and challenge our thinking and knowledge on a range of contentious ideas and principles.

What we learn:

How to construct a logical argument and address logical fallacies. To develop a critical and open attitude to problems and challenges. You will learn how to interpret, analyse and apply philosophical theories. The main areas of Philosophy including Logic, Ethics, Epistemology and Metaphysics to provide you with the skills to think critically and question everything you think you know.

How you will demonstrate evidence of your learning:

- Multimodal presentation
- Essay x 2
- Investigation

Additional Cost:

Nil

Stage 1 HASS – Geography

GEOGRAPHY

Are You interested in:

Exploring urban sustainability and global connections

What we do:

You will analyse how governments around the world are attempting to increase their environmental, social and economic sustainability and the challenges that are in place. You will conduct fieldtrips to local developments and environmentally vulnerable spaces to analyse risk, management and adaptability. You will research specific global issues and consider commendations or campaigns that solve global problems.

What we learn:

Indigenous connection to place and space, and its relation to contemporary sustainability. The many factors contributing to human induced climate change and possible solutions. GIS mapping skills, collecting and interpreting data to create maps and other visual representations. The rise of eco-villages and urban developments that aim to increase social, environmental and economic sustainability.

How you will demonstrate evidence of your learning:

- Investigative Reports
- Fieldwork Reports
- Multimodal Presentation

Additional Cost:

Nil

Stage 1 HASS – Integrated Learning – Small Business Management

Integrated Learning: Small Business Management

Are You interested in:

the fundamentals of managing a small business?

What we do:

You will follow the process from the initial business concept to planning and establishing a business, through to the hands-on, day-to-day management of a class business venture. The class business is staffed by students and will trade several times throughout the semester.

What we learn:

Integrated learning is a subject framework that enables you to make practical links between aspects of your life, your learning about yourself and your capabilities.

With a focus on small business management, you will learn the essential components to plan, establish and manage a small business, while also developing yourself as an active learner.

This is a highly collaborative class in which you will share ideas and opinions to work towards a common goal. You will build your social and communication skills through contributions to groups and/or community. You will extend your self-awareness, personal identity and values through build from peer- and self-assessment while gaining valuable skills and experience for life beyond schools

How you will demonstrate evidence of your learning through:

- Multimodal presentation (business pitch)
- Team creation of business, marketing and financial materials
- The operation of a small business that trades several times during the semester
- Reflection and self and peer assessments

Additional Cost:

N/A

Stage 1 HASS – Business Innovation

Integrated Learning: Small Business Management

Are You interested in:

Understanding how businesses create and sustain value through innovative practices?

What we do:

You will engage in class discussions and group tasks that explore real-world business challenges. You will work on developing and testing innovative business ideas, exploring opportunities for entrepreneurship, and understanding the importance of ethical and sustainable business practices. Collaboration with peers and interactions with local business communities are key components of the course.

What we learn:

You will learn how to:

- Identify and solve problems using design thinking.
- Conduct market research to understand consumer needs and market trends.
- Develop business plans that include financial, marketing, and operational strategies.
- Evaluate the impact of business decisions on society, the environment, and the economy.
- Use digital technologies to enhance business processes and customer experiences.

How you will demonstrate evidence of your learning through:

- You will showcase your learning through:
- Developing and presenting innovative business solutions and pitches.
- Creating business plans and feasibility studies.
- Conducting and analysing market research reports.
- Reflecting on your entrepreneurial journey and the application of business concepts in a portfolio

Additional Cost:

N/A

Year 10 or 11 Cross Disciplinary – Sustainability

SUSTAINABILITY

Are You interested in:

Being a part of a global movement?

What we do:

This is a highly collaborative and local issues-based course. You analyse the way we live our lives and the impact it has on environmental, economic and social sustainability. You work with other curriculum areas to identify obstacles that challenge sustainability to make our school more environmentally efficient. You will discover, explore and strengthen our motivators, personality traits, hidden talents and interests through the common theme of sustainability. You embark on a personal venture to challenge the way you currently live our lives; adapting our lifestyles for a short period to analyse your environmental impact, the challenges it brings to convenience, and the feasibility of continuing this lifestyle.

What we learn:

- Indigenous connection to place and space, and its relation to contemporary sustainability
- The impact individuals have on the planet and challenges the world face
- The trade-offs between environmental, social and economic sustainability and convenience
- GIS mapping software to collect and interpret data
- How small communities have come together to live their lives in sustainable ways

How you will demonstrate evidence of your learning:

- Awareness Video
- Personal Venture Blog
- Investigative Report

Additional Cost:

Nil

WORKPLACE PRACTICES

Are You interested in:

Learning in the workplace, develop and reflect on your capabilities, interests, and aspirations?

What we do:

You will organise and participate in vocational learning for 25-30 hours. You will use a range of local job search sites, select a job you would be interested in applying for then write a cover letter and present for a mock interview. You will reflect on your experience of VET or Vocational Learning

What we learn:

You will develop knowledge and understanding of the employability skills and how to apply for work. You will undertake learning in the workplace, develop, and reflect on your capabilities, interests, and aspirations.

How you will demonstrate evidence of your learning:

- Workplace Learning
 - Written application and mock interview
 - Reflection
-

Additional Cost:

Possible excursion costs.

HUMANITIES – Stage 2

Stage 2 HASS – Modern History

MODERN HISTORY

Are You interested in:

How modern historical events and ideologies continue to influence the geopolitical world today

What we do:

You will deepen your understanding of key events, ideas and people that shaped the 20th Century through reading, viewing and discussion. You will investigate a topic of your choice to develop an independent historical inquiry. You will develop historical concepts such as significance, empathy, cause and effect, perspectives and motivations, and use evidence to develop convincing and articulate historical arguments.

What we learn:

The battle for world domination of between the superpowers of the United States of America and the Soviet Union during the Cold War. How conflicting ideologies brought us to the brink of nuclear war and divided the world along ideological lines. You will undertake a deep nation-study of Germany from 1918-1948 to better understand the rise of fascism. The impact of Hitler on the Weimar Republic and the world.

How you will demonstrate evidence of your learning:

- Sources Analysis
- Independent Historical Study
- Essays (Historical Argument)
- Multimodal presentation
- Exam

Additional Cost:

There is a potential for excursion costs as opportunities arise.

Stage 2 HASS – Legal Studies

STAGE 2 LEGAL STUDIES

Are You interested in:

Preparing yourself for a tertiary/career pathway involving law or government?

What we do:

You will frame investigation and analysis through the competing tensions of fairness/efficiency, empowerment/disempowerment, rights/responsibilities and certainty/flexibility. You will discuss and debate legal issues, participate in mock trials and parliaments and present findings of an individual legal inquiry.

What we learn:

Focus areas include 'Sources of Law'. An analysis of legislation and case law 'Dispute Resolution'. An in-depth study of the adversarial trial system in criminal and civil contexts, and an optional focus area of 'the Australian Constitution' or 'When Rights Collide.'

How you will demonstrate evidence of your learning:

- Multimodal presentations
- Participation in mocks
- Written reports/inquiry essay
- Summative exam

Additional cost:

Law in Australian Society by Keiran Hardy: \$30 - \$60 (recommended but not required)

Stage 2 HASS - Economics

ECONOMICS

Are You interested in:

How the economy determines prices, employment, the range of products and services available and how the government influences the economy to achieve its goals.

What we do:

You will look at interactions between, consumers, firms, governments and markets and the effects these interactions have on jobs, prices and growth. You will analyse the dynamics of the economy in response to the actions and decisions of consumers, businesses and governments to achieve macroeconomic goals that often conflict. You will analyse the intended and unintended consequences of market transactions and government intervention.

What we learn:

How to use and apply economic models to achieve macroeconomic goals. How to assess the health of the economy and make predictions and recommendations based on economic data. Australia's position and role in the world economy and how this is changing over time to better understand our future prosperity and challenges.

How you will demonstrate evidence of your learning:

- A variety of folio tasks
 - Macroeconomic project
 - Exam
-

Additional Cost:

Nil

Stage 2 HASS – Accounting

ACCOUNTING - FINANCIAL LANGUAGE FOR BUSINESS SUCCESS 2

Are You interested in:

Mastering the language of business and becoming a key player in business decision-making?

What we do:

You will take a deep dive into the world of business finance to analyse and evaluate financial information and produce useful insights for stakeholders. You will use create key financial statements such as the Income Statement, Balance Sheet, Statement of Changes in Equity, and Statement of Cashflows. You will use ratio analysis to assess a business's performance, identify strengths and weaknesses, and suggest improvements. You will also learn to construct budgets, monitor inventory, manage debt, make end-of-period adjustments and perform bank account reconciliations.

What we learn:

You will learn how to determine the specific accounting information needs of stakeholders and how to analyse and evaluate accounting information to help maintain a successful business and offer decision-making advice. You will learn to apply accounting concepts and conventions to produce accurate financial information and enhance your financial communication skills to effectively convey complex information.

How you will demonstrate evidence of your learning:

For a 20-credit subject, the tasks include;

- Tests: Demonstrate your understanding of advanced accounting principles and practices.
 - One Inquiry: Conduct an in-depth investigation into a specific accounting issue and present your findings.
 - Exam
-

Additional Cost:

Nil

Stage 2 HASS - Society & Culture

SOCIETY AND CULTURE

Are You interested in:

Controversy, social issues and acting for change?

What we do:

You will engage in class discussions and informal debates to examine social issues from a range of perspectives. You will use ethical reasoning to analyse the complexity of issues in society. You will watch movies that depict social issues and compare these with relevant academic sources.

What we learn:

Social change and how societies respond to new ideas. Youth culture and issues faced by young people today. The perspectives of people and groups in a range of relevant ethical issues. You will undertake a personal investigation of a social issue and suggest possible solutions.

How you will demonstrate evidence of your learning:

- Group social action
 - Oral presentations
 - Essays and written reports
 - Multimodal reports
 - Major investigative report
-

Additional costs

Nil

Stage 2 HASS – Philosophy

PHILOSOPHY

Are you interested in:

Having a good argument? How we know things and whether we can know anything at all? What the nature of reality is?

What we do:

Consider different texts in order to identify and analyse arguments both as a class and individually. Engage in debates, discuss and analyse important concepts and issues raised in thought provoking films and series. You will conduct thought and physical experiments, write essays and investigate topics of interest in depth.

What we learn:

- How to apply the tools of logic and argument analysis to texts.
 - Ethical theories and how they can be applied to new technologies (think Black Mirror).
 - We learn specific theories of knowledge, what knowledge is and how to deal with scepticism.
 - Key issues in metaphysics, creating arguments and conclusions based on philosophical theories.
-

How you will demonstrate evidence of your learning:

- Argument Analysis
 - Issues Investigations
 - Issues Study
-

Additional Cost:

Nil

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Stage 2 HASS – Business Innovation

BUSINESS INNOVATION

Are You interested in:

Developing your entrepreneurial mindset and innovative thinking skills as well as tackling complex business challenges and creating impactful solutions?

What we do:

You will deepen your understanding of how businesses create and sustain value through innovative practices. You will identify and explore significant issues, both locally and globally, and develop transformational business solutions in the form of products and services. Collaborating with community members, you will pitch your business ideas and receive valuable feedback.

What we learn:

How to apply the Design Thinking Process to innovate and problem solve. Develop practical skills and an entrepreneurial mindset through informed risk taking, leadership, teamwork and communication. You will explore the contexts of designing, sustaining and transforming a business to innovate, make decisions and learn to use project management tools, while developing your financial literacy and a range of global, local and digital perspectives.

How you will demonstrate evidence of your learning:

- Business Model Evaluation: Critically assess and refine business models for viability and sustainability.
- Business Skills Folio: Compile a variety of tasks demonstrating your practical skills and business acumen.
- Business Plan and Pitch: Develop a comprehensive business plan and present your innovative ideas to stakeholders.

Additional Cost:

N/A

Stage 2 – Cross Disciplinary - Workplace Practices

WORKPLACE PRACTICES

Are You interested in:

Learning about the world of work?

What we do:

You will complete 50 – 60 hours of Vocational Learning (VET, work experience / part time work / volunteering / elite sport / structured workplace observation)

What we learn:

You will develop knowledge, skills, and understanding of the nature, type and structure of the workplace. You will learn about the value of unpaid work to society, entrepreneurship, future trends in the world of work, workers' rights and responsibilities and career planning. You will undertake learning in the workplace, develop, and reflect on your capabilities, interests, and aspirations.

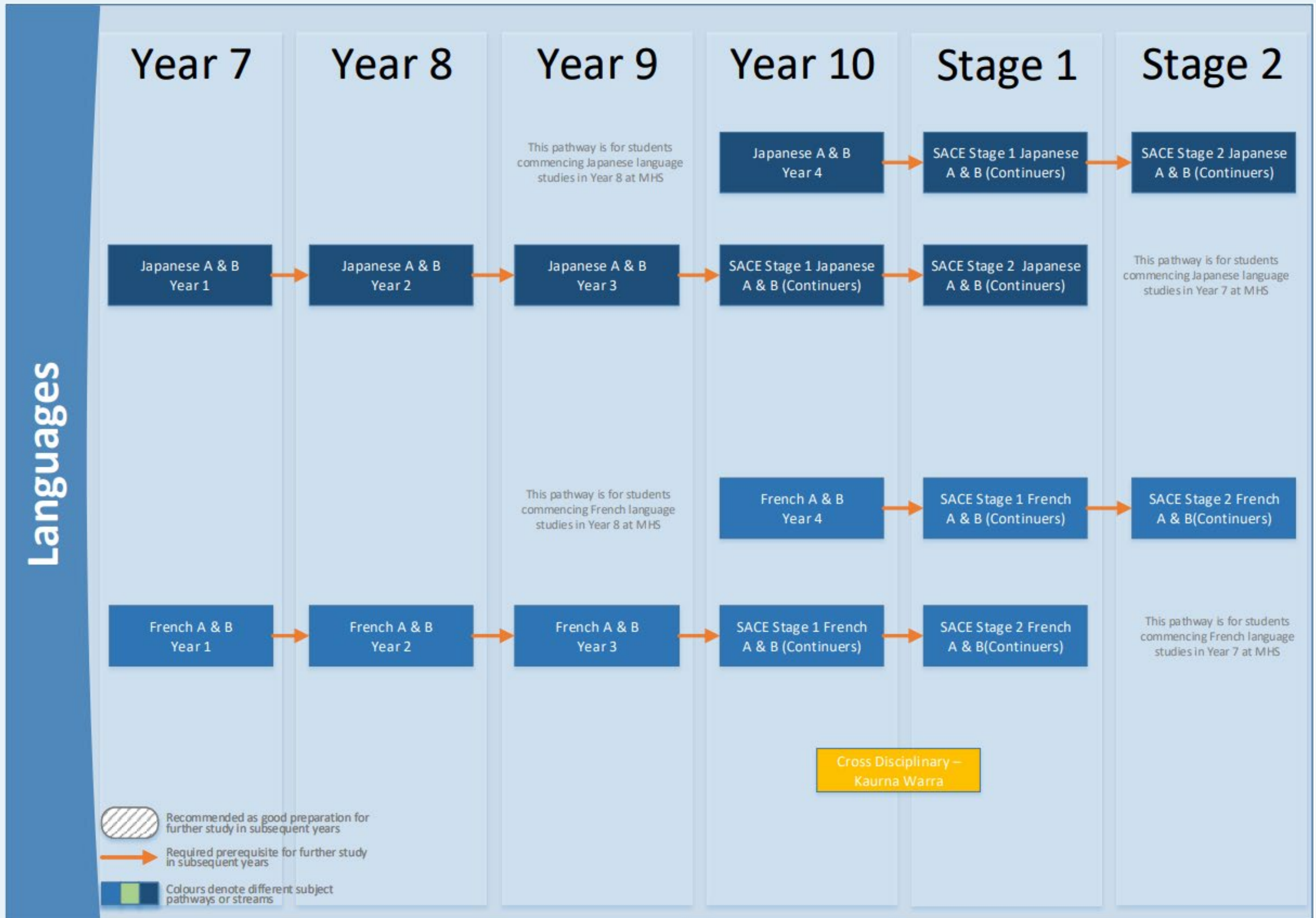
How you will demonstrate evidence of your learning:

You will prepare a report on an industry that you aspire to transition to create a portfolio to find employment. You will research how to set up a small business and the impact of industrial relations. You will complete 50 – 60 hours of Vocational performance and reflection on your learning. You will undertake one investigation that may be either a practical or issues investigation.

Additional Cost:

Possible excursion costs.

LANGUAGES Learning Area - Flow Chart



LANGUAGES – Stage 1

Stage 1 Japanese (Continuers) A and B

JAPANESE (CONTINUERS) A AND B

Are You interested in:

Using Japanese language to explore how everyday activities such as part-time jobs, schooling and cultural celebrations build a sense of community in Japanese society?

Students should note that completing Japanese as a Stage 2 subject will attract a 2-point bonus added to your base ATAR score at all major South Australian and many interstate universities.

What we do:

The Stage 1 course focuses on analysing and composing texts explore diverse perspectives that exist within Japan in relation to travel, work, education and family. You will examine issues such as ‘why do so many Japanese schools ban part-time work?’, ‘how do Japanese students feel about their futures?’, ‘why do ancient traditions continue to have a powerful role in the lives of Japanese people today?’. You will view, read and listen to a range of texts to engage with and respond to different points of view in Japanese.

What we learn:

You will learn text knowledge: infographics, manga, speeches, social media posts, as well as visual and word knowledge: develop your knowledge of *kanji* (e.g. 勉、強、歩). You will also learn grammar knowledge: use increasingly sophisticated structures such as ~てもいい、~と思う to understand and express complex ideas in Japanese.

How you will demonstrate evidence of your learning:

- Produce an infographic exploring differences between Australian and Japanese education systems
 - Participation in 1:1 conversation in Japanese about the above topics
 - Design an informative website introducing key elements of お正月 (Japanese New Year)
 - Written and oral examination/assessments
-

Additional Cost:

Nil

FRENCH (CONTINUERS) A AND B

Are You interested in:

Speaking and writing in French about your immediate and wider world?

What we do:

You will create texts and interact with others in French to express information, feelings, ideas and opinions. You will analyse texts to interpret meaning, and examine relationships between language, culture and identity, and reflect on the ways in which culture influences communication.

What we learn:

You will improve your listening and reading comprehension skills in French through studying a variety of authentic texts. You will develop your skills in speaking and writing in French by applying more advanced vocabulary and syntax. Your research and presentation skills will be further enhanced through a detailed focus on one region in France.

How you will demonstrate evidence of your learning:

- Interaction
 - Conversation – 4 minutes in French about family, school, leisure activities
 - Text Production
 - Oral presentation – 3 minutes in French about a region in France and its cuisine
 - Reflective piece (400-500 words in English) in response to the research about a region in France and its cuisine
 - Text Analysis
 - Written task – journal entry (200 words in French in response to a film)
 - Questions in English and French in response to a French text
-

Additional Cost:

Nil

LANGUAGES – Stage 2

Stage 2 Japanese (Continuers)

JAPANESE (CONTINUERS)

Are You interested in:

Being able to communicate in Japanese about a range of topics, such as technology, school trips and modern Japanese society? You will also develop skills to conduct and present research about a topic of your choice.

What we do:

You will explore a range of social/environmental issues such as how technologies are changing lifestyles and the preservation of Japan's cultural diversity. You will draw on SACE skills of text analysis, text production and interaction to communicate your learning and perspectives in relation to these issues *in Japanese*.

What we learn:

You will learn text knowledge: oral presentations, informational, multimodal blogs, diary entries, written reflection and visual and word knowledge: develop your knowledge of increasingly sophisticated *kanji* (e.g. 働、教、駅). You will also learn grammar knowledge: use increasingly sophisticated structures such as ~なければなりません、~たら to complex ideas in Japanese.

How you will demonstrate evidence of your learning:

- Investigate a topic relating to a Japanese-speaking community and give an informative presentation in Japanese
 - Read and analyse authentic texts addressing the role of technology in modern societies
 - Compose a blog entry focusing on international travel experiences
 - Written & oral examination
-

Additional Cost:

Nil

FRENCH (CONTINUERS)

Are You interested in:

An in-depth research of a particular French-related topic?

What we do:

You will create texts and interact with others in French to express information, feelings, ideas and opinions. You will analyse texts to interpret meaning, and examine relationships between language, culture and identity, and reflect on the ways in which culture influences communication. You will complete a folio as well as an in-depth study.

What we learn:

You will advance their French speaking skills about familiar topics such as family, school and leisure activities, as well as the topic of your in-depth study. You will further develop your reading comprehension skills through a French text analysis, responding in both English and French. You will further develop your writing skills in French by creating texts about a topical issue. You will accurately convey your opinions using a range of vocabulary and grammatical structures.

How you will demonstrate evidence of your learning:

- **Folio**
 - Interaction (5-7 minutes conversation in French)
 - Text Production (A letter of max 300 words)
 - Text Analysis (60 minutes)
 - **In-Depth Study**
 - Oral Presentation (3-5 minutes in French)
 - Written Response in French (500 words in French)
 - English reflection (600 words in English or 5-7 minutes)
-

Additional Cost:

Nil

KAURNA WARRA

Are You interested in:

Reviving the traditional Kurna Language and learning about the culture?

What we do:

Kurna, Narungga and Boandik woman, Zoey Bonney, is a qualified Kurna Language instructor. Zoey will introduce you to traditional Kurna culture, traditions and language that has been revived in the past decade by linguist, Rob Amery, from the University of South Australia. At the end of the semester you will be able to understand the spelling and sound systems of the Kurna language, understand its history and read and speak aspects of the language.

What we learn:

You will learn to communicate using Kurna Language and be able to understand and explain features of language structures and cultural knowledge. You will explore and understand the context of the revival of Kurna Language and reflect on your own learning from and with Aboriginal people and language resources. Finally, you will reflect on the relationship between the revival of Kurna Language and processes of cultural renewal and reconciliation.

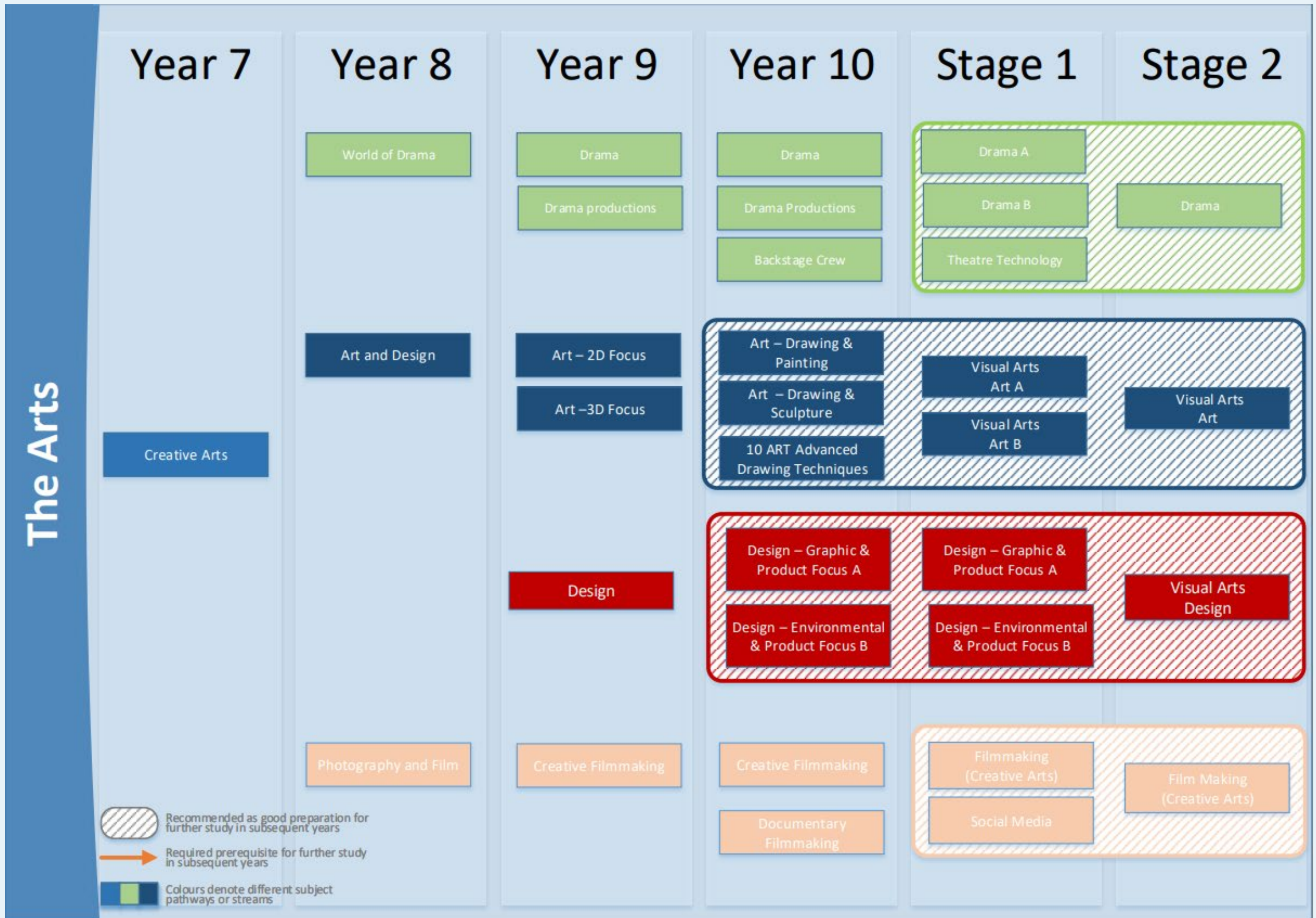
How you will demonstrate evidence of your learning:

- Assessment Type 1: Language Folio
Students undertake three language folio tasks comprising:
 - one resource performance
 - one response to resources
 - one reclamation skills task
 - Assessment Type 2: Language Inquiry
Students undertake one language inquiry
-

Additional Cost:

Nil

THE ARTS Learning Area - Flow Chart



THE ARTS – Stage 1

Stage 1 Arts - Drama A

DRAMA A

Are You interested in:

Do we have control over our own destiny or is it pre-determined?

What we do:

You will create a company that investigates how Drama questions; are we masters of our own fate or are we doomed to suffer the fate of our forebearer? You will participate in and record workshops completed during class time, to learn different styles and concepts, such as Tim Burton, Surrealism or Theatre of Cruelty. You will go on excursions to research different drama techniques and roles in Drama. You will use of this experimentation and exploration to influence your own company's creations. You can take on an onstage or offstage role.

What we learn:

You will learn different drama techniques and how to apply them in creating work. You will learn to work as an ensemble, research skills and how to do Drama 'differently'. You will learn how to apply these skills in the process of creating innovative dramatic outcomes. You will also learn to evaluate your own and other's works and the historical and cultural value of dramatic works.

How you will demonstrate evidence of your learning:

- Group Production- whole class production, you can take on an on or offstage role
- Responding to Drama- multimodal response
- Creative Synthesis- multimodal response

Additional Cost:

Nil

Stage 1 Arts - Drama B

DRAMA B

Are You interested in:

How Drama allows us to be voyeurs of moments in time?

What we do:

You will form a company that investigates how Drama makes voyeurs of us all. You will create work that is influenced by dramatic styles and concepts such as Naturalism, Neo- Realism and Alfred Hitchcock. You will go on excursions to complete research and evaluate how dramatic techniques are used to make voyeurs of us all. Your participation in workshops, experimentation, explorations and research will influence the innovative dramatic outcomes that you create. You can take on an on stage or offstage role.

What we learn:

You will learn film and theatre techniques and how to use them to create your own work. You will also learn collaborative, creativity, critical thinking, entrepreneurial, and research skills and how to apply them in the creation process. You will also learn to evaluate your own and other's works and the historical and cultural value of dramatic works.

How you will demonstrate evidence of your learning:

- Group Production- whole class production, you can take on an on or offstage role
- Responding to Drama- multimodal response
- Creative Synthesis- multimodal response

Additional Cost:

Nil

Stage 1 Arts - Theatre Technologies

THEATRE TECHNOLOGIES

Are You interested in:

How can we story-tell without talking?

What we do:

The class will act as an independent production company, with our client being the MHS drama classes. This means you will work collaboratively to assist with any set, lighting, sound, costuming etc that is required for the performances to be successful. As well as this, you will complete activities like excursions and theoretical show designs, to learn how each production department works.

What we learn:

You will be learning how to create and complete a design brief, entrepreneurial skills and the WHS requirements of your offstage role. You will learn skills to work as a company member and meet the needs and wants of a client, learning how to read, analyse and evaluate you own and other's work and how that influences the creative design process. You will learn how to work collaboratively, meet deadlines, use new and existing technologies and create a product for live or filmed work.

What you will be assessed on:

- Contract of work
- Product folio
- Evaluation

Additional Cost:

There is no additional cost associated with this course.

Stage 1 Arts - Visual Art A

VISUAL ART A

Are You interested in:

Creating art using your own personal aesthetic based on a theme?

What we do:

You will interpret works of art and create your own individual style. You will complete a visual study and a folio researching artists and art works from different cultures and movements. You will develop your thinking using different media e.g. paint, watercolour, ceramics or technology. You will present a final practical piece based on your ideas produced in the folio to develop your own personal aesthetic. You will evaluate your artwork in a practitioner's statement which reflects your artistic intention to an audience.

What we learn:

You will learn to develop/make works of art reflecting your individuality through using different art techniques and processes. You will learn to analyse and respond to visual art from different cultural, social, and historical contexts. You will learn the techniques of different media and how to apply these processes to solve problems and resolve works of art. You will learn to demonstrate your visual thinking through development and evaluation of your own and others' works.

The topics/themes for Visual Art A are teacher directed and will differ from Visual Art B.

How you will demonstrate evidence of your learning:

- Visual Study
- Folio
- Practical
- Practitioner's Statement

Additional Cost:

See Book List for purchasing requirements

Stage 1 Arts - Visual Art B

VISUAL ART B

Are You interested in:

Creating art using your own personal aesthetic based on a theme?

What we do:

You will interpret works of art and create your own individual style. You will complete a visual study and a folio researching artists and art works from different cultures and movements. You will develop your thinking using different media e.g. paint, watercolour, ceramics and/or technology. You will present a final practical piece based on your ideas produced in the folio to develop your own personal aesthetic. You will evaluate your artwork in a practitioner's statement which reflects your artistic intention to an audience.

What we learn:

You will learn to develop/make works of art reflecting your individuality through using different art techniques and processes. You will learn to analyse and respond to visual art from different cultural, social, and historical contexts. You will learn the techniques of different media and how to apply these processes to solve problems and resolve works of art. You will learn to demonstrate your visual thinking through development and evaluation of your own and others' works.

The topics/themes for Visual Art B are teacher directed and will differ from Visual Art A.

How you will demonstrate evidence of your learning:

- Visual Study
- Folio
- Practical
- Practitioner's Statement

Additional Cost:

See Book List for purchasing requirements

Stage 1 Visual Arts Design - Graphic and Product Focus (A)

DESIGN – GRAPHIC AND PRODUCT

Are You interested in:

Creating designs using your own personal aesthetic based on a topic?

What we do:

You will interpret works of design and create your own individual style. You will complete a visual study and a folio researching designers and design works from different cultures and movements. You will develop your thinking using different 2D media e.g. paint, watercolour, graphic markers and/or technology. You will present a final practical piece based on your ideas produced in the folio to develop your own personal aesthetic. You will evaluate your design work in a practitioner's statement which reflects your creative intention to an audience.

What we learn:

You will learn to develop/make works of design reflecting your individuality through using different design techniques and processes. You will learn to analyse and respond to visual designs from different cultural, social, and historical contexts. You will learn the techniques of different media and how to apply these processes to solve problems and resolve works of design.

You will learn to demonstrate your visual thinking through development and evaluation of your own and others' works.

How you will demonstrate evidence of your learning:

- Practical Application.
- Knowledge and Understanding.
- Analysis and Response

Additional Cost:

See Book List for purchasing requirements.

Stage 1 Visual Arts Design – Environment and Product Focus (B)

DESIGN – ENVIRONMENTAL AND PRODUCT

Are You interested in:

Creating designs using your own personal aesthetic based on a topic?

What we do:

You will interpret works of design and create your own individual style. You will complete a visual study and a folio researching designers and design works from different cultures and movements. You will develop your thinking using different 2D and 3D media e.g. paint, watercolour, graphic markers, modelling materials and/or technology. You will present a final practical piece based on your ideas produced in the folio to develop your own personal aesthetic. You will evaluate your design work in a practitioner's statement which reflects your creative intention to an audience.

What we learn:

You will learn to develop/make works of design reflecting your individuality through using different design techniques and processes. You will learn to analyse and respond to visual designs from different cultural, social, and historical contexts. You will learn the techniques of different media and how to apply these processes to solve problems and resolve works of design.

You will learn to demonstrate your visual thinking through development and evaluation of your own and others' works.

How you will demonstrate evidence of your learning:

- Practical Application.
- Knowledge and Understanding.
- Analysis and Response.

Additional Cost:

See Book List for mandatory purchasing requirements

Stage 1 Media Arts – Filmmaking

FILMMAKING

Are You interested in:

Using knowledge of filmmaking to create artistic works that are of a professional standard?

What we do:

You will work with others to create short films, being provided with more freedom of subject matter than in previous years. Your tasks will be a personalised (and self-directed) skill enquiry, building upon a film making skill/process of your choice and undergo the investigation of a director and their creative processes. You will collaborate within a small team to create a major film piece (4-8 min). You will engage with the work of other filmmakers, using their works to influence your own.

What we learn:

You will continue to develop technical control of DSLR cameras in filmmaking. You will engage with semi-professional film equipment ranging from mounting, lens selection, sound equipment and lighting in order to develop skills and create productions. Throughout the course you will develop professional filmmaking techniques with a deeper focus on professional standards. You will understand the conveying of ideas and characterisation through a range of cinematic techniques and editing. You will also learn about what the role of a film maker is and their responsibility in a developing world.

How you will demonstrate evidence of your learning:

- Through creation of multiple products, including one major assessment.
- Folio of work documenting creative process of products (Investigating, Developing, Producing and Reflecting).
- Investigate the products of past/present film makers, their ideas, techniques, styles and approaches.
- Present creative choices via multi-modal presentations.
- Major group production worth 50% of total grade (offsite location)

Additional Cost:

\$30 (excursion to Adelaide Gaol for Major Production)

FILMMAKING

Are You interested in:

Social Media, Influencers, Branding, and how to build a platform? The difference between Twitter and Instagram, or Facebook and Tiktok? How people build entire careers and earn a lucrative income from social media alone?

What we do:

You will create social media content (including photos and videos) for specific audiences, purpose and engagement, construct, and contribute to Marryatville High School’s online brand and build a social media presence that engages the school community.

What we learn:

You will analyse, design and construct a variety of post styles on different social media platforms. You will learn about engagement variables, what makes a “brand”, and strategies social media moguls employ to build a following. Students will be assessed on their social media creations, which will prove their knowledge and understanding of the social media industry.

How you will demonstrate evidence of your learning:

- Photographic Posts- Photography assignment.
 - 10, 20, and 30 Second Reels/Tik Toks
 - Memes
 - Marketing (Major Assignment)
-

Additional Cost:

Nil

THE ARTS – Stage 2

Stage 2 Arts – Drama

DRAMA

Are You interested in:

What would you see if you held a mirror up to the world?

What we do:

You will work as an ensemble to create a company that creates work that is influenced by drama styles, concepts and world events. You will see live and filmed works to complete research and evaluate how theatre/ screen techniques are used to create dramatic work. You will also keep records of workshops in class that will influence small performances/ films that you create. You will be able to take on onstage or offstage roles to create innovative dramatic outcomes that reflect the world as it is, and imagine the world as it might be.

What we learn:

You will learn the purpose of dramatic products; why is it important for an audience to examine what is unfolding onstage or screen? You will learn film/ theatre techniques and how to use them to create real dramatic products. You will also learn collaborative, creative, critical thinking and research skills and how to apply them to create innovative dramatic products for an audience. You will learn to work as a practising artist, cultural leader and artistic entrepreneur.

How you will demonstrate evidence of your learning:

- Group Production- on or offstage role
 - Evaluation and Creativity- multimodal response
 - Creative Presentation- on or offstage role
-

Additional Cost:

Nil

Stage 2 The Arts - Visual Art

VISUAL ART

Are You interested in:

Studying visual art to develop your personal aesthetic?

What we do:

You will interpret works of art and create your own individual style. You will complete a visual study and a folio researching artists and art works from different cultures and movements. You will develop your thinking using different media e.g. paint, watercolour, ceramics and/or technology. You will present final practical works based on your ideas produced in the folio to develop your own personal aesthetic. You will evaluate your artwork in a practitioner's statement which reflects your artistic intention to an audience.

What we learn:

You will learn to develop/make works of art reflecting your individuality through using different art techniques and processes. You will learn to analyse and respond to visual art from different cultural, social, and historical contexts. You will learn the techniques of different media and how to apply these processes to solve problems and resolve works of art. You will learn to demonstrate your visual thinking through development and evaluation of your own and others' works.

How you will demonstrate evidence of your learning:

- Visual Study
 - Folio
 - Practical
 - Practitioner's Statement
-

Additional Cost:

See Book List for purchasing requirements

DESIGN

Are You interested in:

Studying design to develop your personal aesthetic?

What we do:

You will interpret works of design and create your own individual style. You will complete a visual study and a folio researching designers and design works from different cultures and movements. You will develop your thinking using different media e.g. paint, watercolour, graphic markers and/or technology. You will present final practical works based on your ideas produced in the folio to develop your own personal aesthetic. You will evaluate your design work in a practitioner's statement which reflects your creative intention to an audience.

What we learn:

You will learn to develop/make works of design reflecting your individuality through using different design techniques and processes. You will learn to analyse and respond to visual design from different cultural, social, and historical contexts. You will learn the techniques of different media and how to apply these processes to solve problems and resolve works of design. You will learn to demonstrate your visual thinking through development and evaluation of your own and others' works.

How you will demonstrate evidence of your learning:

- Visual Study
 - Folio
 - Practical
 - Practitioners' Statement
-

Additional Cost:

See Book List for purchasing requirements

FILMMAKING (CREATIVE ARTS)

Are You interested in:

Studying design to develop your personal aesthetic, and for the future workplace?

What we do:

You will work with others to create short films, building upon skills developed in Stage 1 filmmaking. You will investigate filmmakers and their creative processes, undertake a personalised (and self-directed) skill enquiry, building upon a film making skill/process of your choice and will collaborate within a small team to create a major film piece (8-16 min). You will engage with the work of other filmmakers, using their works to influence your own.

What we learn:

You will continue to develop technical control of DSLR cameras in filmmaking. You will engage with professional film equipment ranging from mounting, lens selection, sound equipment and lighting in order to develop skills and create professional standard productions. Throughout the course you will develop professional filmmaking techniques with a deeper focus on professional standards. You will understand the conveying of ideas and characterisation through a range of cinematic techniques and editing. You will also learn about what the role of a film maker is and their responsibility in a developing world.

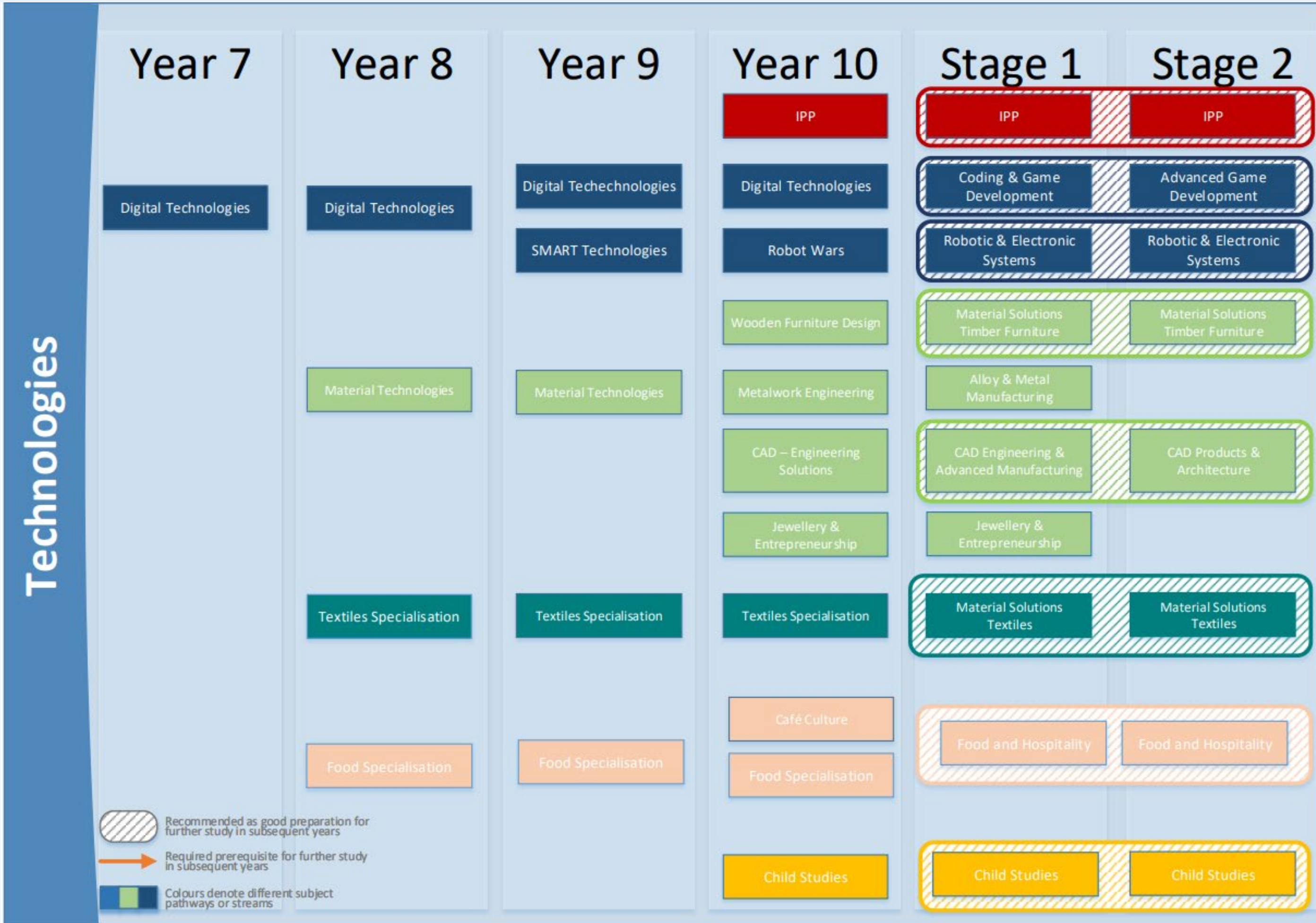
How you will demonstrate evidence of your learning:

- Through creation of multiple products, including one major assessment (two parts).
 - Folio of work documenting creative process of products (Investigating, Developing, Producing and Reflecting).
 - Investigate the products of past/present film makers, their ideas, techniques, styles and approaches.
 - Present creative choices via multi-modal presentations.
 - Major group production worth 50% of total grade (offsite location)
-

Additional Cost:

No specific costs associated but students may need support when creating their major productions (costumes, props etc.)

TECHNOLOGIES Learning Area - Flow Chart



TECHNOLOGIES – Stage 1

Stage 1 Technologies – Information Processing and Publishing

INFORMATION PROCESSING AND PUBLISHING

Are You interested in:

How do we communicate in the modern digital world? Learn how to create stunning graphics and inform those around you

What we do:

You will apply practical skills and design principles to provide creative solutions to text-based or web-based communication tasks. You will create hard copy, electronic text-based publications, websites and dynamic images and evaluate the development process.

What we learn:

You will use industry standard technology programs to design and implement information processing solutions, and identify, choose, and use the appropriate computer hardware and software to process, manage and communicate information in a range of contexts. Topics covered:

- Business Publishing
- Digital Publishing
- Personal Publishing
- Adobe Photoshop
- Adobe Indesign
- HTML5 & CSS

How you will demonstrate evidence of your learning:

Assessments:

- Practical Skills 50%
- Issues Study 20%
- Product and Documentation 30%

Additional Cost:

Nil

Stage 1 Technologies - Coding and Game Development

CODING AND GAME DEVELOPMENT

Are You interested in:

Designing and building the next cool Indie game.

What we do:

You will design, code and test your own 2D or 3D video game working individually and in teams using a state-of-the-art game development platform. You will showcase your games at the end of the course and may have the opportunity to release your game on a mobile platform or as a web-based application.

What we learn:

You will develop your skills in all aspects of the software development lifecycle, including planning, designing, coding and testing. You will learn how to locate, retrieve, analyse, interpret, and represent large datasets relating to an area of interest and explore the ethical considerations of storing data.

How you will demonstrate evidence of your learning:

- Two project skills tasks presented in multimodal form relating to one or more stages in software development.
- An issues report on data and/or ethics to be presented in multimodal form.
- The final digital solution including full code listing, demonstration and evaluation.

Additional Cost:

Nil

Stage 1 Technologies - Robotic and Electronic Systems

ROBOTIC AND ELECTRONIC SYSTEMS

Are You interested in:

Do you like tinkering with circuits, making and/or coding components into a working product? This course enables you to create a project of interest, that can be used to help the wider school community.

What we do:

After completing two skills tasks, you will design and produce a robotic system such as an autonomous vehicle or articulating arm. You will then program this system to solve a problem identified within the community. This course very closely follows the SACE stage 2 course, providing an excellent opportunity to set yourself up for success in year 12.

What we learn:

You will learn a range of both theoretical and practical skills, including:

- Arduino coding
- Laser cutting
- Electrical componentry
- 3D printing
- Virtual and physical circuitry
- Investigation into real-world issues

How you will demonstrate evidence of your learning:

The course is set up into three distinct sections: Skills task 1, Skills task 2, and a folio of work relating to your major product. The aim of skills tasks 1 and 2 is to provide you with the skills required to successfully complete the major product, meaning you can focus your energy into creating a high-quality end result.

Additional Cost:

Nil, unless you wish to produce a project which exceeds the school allocated budget.

Stage 1 Technologies – Material Solutions Timber Furniture

MATERIAL SOLUTIONS TIMBER FURNITURE

Are You interested in:

Working with timber as a material and learning processes specific to this area.

What we do:

You will engage and construct a major design based project of either a small cabinet with shelves and hinges or timber chest with a hinged lid, utilising associated hardware selection, plinth techniques, and timber jointing. You will complete two Skills Tasks involving computer drawing in Fusion 360 and jointing skill exercises. You will also complete a Folio of work specifically relating to your major product.

What we learn:

Practical skills in woodworking processes, function of tools, construction techniques, power tools and machinery. You will undertake designing and production through a Design Folio, emphasising design briefs, production processes, practical problem solving strategies, CAD generated working drawings, and product and process evaluations.

How you will demonstrate evidence of your learning:

You will demonstrate evidence of your learning through the following assessment types:

- Skills Tasks: CAD and jointing skills related to the Product
- Design process and solution: Product, and Product documentation (Folio, and Product procedures, problem solving).

Additional Cost:

None, except for specific fittings for project design.

Stage 1 Technologies - Alloy and Metal Manufacturing

ALLOY AND METAL MANUFACTURING

Are You interested in:

Within Alloy and Metal Manufacturing you will engage with the metal manufacturing and design industry and learn how it plays a role in the 21st century.

What we do:

A primary aim for the course is to develop sophisticated solutions using both digital and physical skills to solve complex problems.

What we learn:

You will learn to design, shape and weld metals to construct solutions to problems and challenges. You will engage with different production methods and develop skills using machinery, welders and hand tools. You will focus on design and creativity by making a personalised major product using the skills learnt and negotiating with your teacher on the final product.

- Fabrication and research associated with metals
- Technical drawing skills and project costing
- Material fabrication processes and associated equipment technology
- Designing in digital workspaces and analysing different production methods
- Use of appropriate Computer Aided Design (CAD) will also be covered

How you will demonstrate evidence of your learning:

You will demonstrate evidence of your learning through the following assessment types:

- Skills Tasks
- Design Process and Solution

Additional Cost:

\$30

Stage 1 Technologies – CAD Engineering and Advanced Manufacturing

CAD ENGINEERING AND ADVANCED MANUFACTURING

Are You interested in:

The designing of solutions to meet industry requirements or to invent an entrepreneurial product that meets a need or solves a problem.

What we do:

An exciting, innovative course where you will use modern 3D modelling packages such as Revit or Fusion 360 depending on your focus of either 3D Design/Engineering or Architecture. You will develop 3D solutions to several exercises before developing your own design brief and solution to a problem. Revit is used for focus on architecture, an industry standard software package.

What we learn:

How to develop a design from research and sketching techniques. From there you will learn and develop the idea / product using digital design tools (Fusion 360). You will then investigate a range of production methods/techniques and materials to inform your production stage of your design.

How you will demonstrate evidence of your learning:

You will demonstrate your learning through skills tasks outlining your development of skills and knowledge. You will also present the development of and production in a folio explaining your final product and how it fits the needs/problem you have identified.

Additional Cost:

\$20.00

JEWELLERY AND ENTREPRENEURSHIP

Are You interested in:

Do you have an interest in Jewellery making, and thought about creating your own jewellery to sell for profit? Then this course is for you!

What we do:

Throughout the semester students will investigate various production techniques, including a mix of both digital and hand skills across topics like stone-setting, casting metals and alternative materials. We will also look at some examples of online business platforms, and how to set up your very own online store.

What we learn:

You will learn multiple manufacturing and assembly techniques, including:

- 3D printing
 - Laser cutting
 - Silver soldering
 - Jeweller's sawing
 - Filing and papering
 - Metal casting
-

How you will demonstrate evidence of your learning:

During the first term, students will work on guided skills tasks to provide knowledge in the world of Jewellery making, such as the stone-set ring task. The major assessment for this course involves students designing, developing and generating a piece which can be sold for profit. The students' final product choice is self-directed within pricing limitations, and beside some scaffolding and material price constraints, what you make is up to you!

Additional Cost:

There will be an additional cost of \$25, which will cover the base materials required for the course such as brass and a cubic zirconia stone. However, if students wish to use more expensive material than those items provided this can be purchased either externally or through the school.

\$25

MATERIAL SOLUTIONS TEXTILES

Are You interested in:

Demonstrating creativity, planning and problem solving to bring your designs to life? Learning practical skills and the principles and elements of design to produce a high-quality garment that reflects current & global trends in textiles?

What we do:

Throughout the course you will be given the opportunity to develop specialised construction skills in textiles design. You will then use these skills to produce a garment using a pattern. Using the design process, you will investigate principles and elements of design to respond to a Design Brief and produce the garment. Through the Resource Study, you will investigate 2 fabrics, analyse their characteristics, and the ethical and sustainability issues from fibre to fabric.

What we learn:

You will learn a range of specialised skills that are essential for an aesthetic design and construction of quality textile-based garments.

Practical Skills:

- Invisible Zips
- Darts
- Top Stitching
- Embellishment Techniques
- Shirring

Design Skills:

- Draped Designs using Dress Making Dummies
- Hand drawn illustrations, with annotations.
- Mood Boards
- Visual Diary

How you will demonstrate evidence of your learning:

Assessment Type 1 -Specialised Skills Tasks

- Skills Task A 20%
- Skills Task B 20%

Assessment Type 2 -Design Process and Product 60%

- Fabric Investigation 15%
- Planning 15%
- Product and Evaluation 30%

Additional Cost:

\$0

FOOD AND HOSPITALITY

Are You interested in:

The dynamic nature of the food and hospitality industry in Australian society? Developing skills in planning, preparing & presenting a range of foods & dishes to a high standard? Working with a range of people within the school and wider community? Understanding contemporary trends and issues related to the food & hospitality industry?

What we do:

Work independently and collaboratively to develop skills and safe work practices in the preparation, storage and handling of food, complying with current health & safety legislation. Investigate contemporary issues & trends within the food & hospitality industry, including legal and environmental aspects of food production, consumer protection and the nutritional impact of healthy eating.

What we learn:

Over the course of the semester, topics covered include:

- Occupational health and safety, including safe food practices
 - Interpersonal skills, customer relations and successful management practices
 - Sociocultural influences including food trends & food of new and diverse cultures
 - Globalisation on food choices, including sustainable practices in food preparation
 - Catering for food allergies & dietary restrictions
-

How you will demonstrate evidence of your learning:

Individually and within small groups, you will undertake a range of assessment tasks based on contemporary issues within the food & hospitality industry. This includes:

- Practical Activities
 - Group Activity
 - Investigation
-

Additional Cost:

\$20

CHILD STUDIES

Are You interested in:

Understanding the incredible period of growth and development that is childhood? Working individually and collaboratively to develop a range of employability skills related to the care & development of children? Considering a career related to children, including early education?

What we do:

Examine the period of childhood from conception to 8 years. We will cover issues related to the growth, health and wellbeing of children through a range of individual, collaborative and practical based activities. Topics include the diverse attitudes, values and beliefs about childhood and the care of children, the nature of contemporary families, and the changing roles of children in a contemporary consumer society.

What we learn:

Over the course of the semester, topics covered include:

- The changing emotional spiritual, physical and social needs of children as they grow and develop
 - Implications of technology for childhood health and wellbeing
 - Safety issues for children (sun and water safety, poisons, medicines and toys)
 - Sociocultural issues related to children and families
-

How you will demonstrate evidence of your learning:

Individually and within small groups, you will undertake a range of assessment tasks based on contemporary issues within child development. This includes:

- Practical Activities (50%)
 - Group Activity (20%)
 - Investigation (30%)
-

Additional Cost:

Nil

TECHNOLOGIES – Stage 2

Stage 2 Technologies – Information Processing and Publishing

INFORMATION PROCESSING AND PUBLISHING

Are You interested in:

How do we communicate in the modern digital world? Learn how to create stunning graphics and inform those around you

What we do:

You will apply practical skills and design principles to provide creative solutions to text-based or web-based communication tasks. You will create hard copy, electronic text-based publications, websites and dynamic images and evaluate the development process.

What we learn:

You will use industry standard technology programs to design and implement information processing solutions, and identify, choose, and use the appropriate computer hardware and software to process, manage and communicate information in a range of contexts. Topics covered:

- Business Publishing
 - Digital Publishing
 - Personal Publishing.
 - Adobe Photoshop
 - Adobe Indesign
 - HTML5 & CSS
-

How you will demonstrate evidence of your learning:

- School Based Assessment 70%
 - Practical Skills 40%
 - Issue Analysis 30%
 - External Assessment 30%
 - Product and Documentation Task
-

Additional Cost:

Nil

ADVANCED GAME DEVELOPMENT

Are You interested in:

Designing and developing your own game or another application of your choice?

What we do:

You will apply agile processes to the design, development and testing of software solutions. You will use state-of-the-art tools such as GitHub and Pivotal Tracker to plan your development and share code. You will use industry standard integrated development environments (IDEs) and engines such as Visual Studio, Eclipse and Unity in the development of your software.

What we learn:

In this course, you will learn how to design and implement object-oriented code. You will also learn to develop software collaboratively with tasks requiring you to plan, design and develop solutions as part of a team. You will learn about the ethics of computing and how to analyse and visualise data.

How you will demonstrate evidence of your learning:

- Four skills tasks covering ethics, data analytics, coding and collaborative development
- One collaborative project
- One individual digital solution

Outcomes are presented in multimodal form including video walkthroughs and demonstrations of your solutions.

Additional Cost:

Nil

Stage 2 Technologies - Robotic and Electronic Systems

ROBOTIC AND ELECTRONIC SYSTEMS

Are You interested in:

Do you like tinkering with circuits, making and/or coding components into a working product? This course enables you to complete a project of interest.

Some examples of past projects include:

- Guitar effects pedals
- Robot arms
- Replica Lightsabers
- Analog/digital synthesisers
- Smart house appliances
- Scaled "Smart" dioramas

What we do:

You will create a system of your own choice responding to your design brief. Two skills tasks provide knowledge and skills including Arduino coding, circuit simulation, 3d printing, laser cutting, printed circuit board manufacture and soldering techniques. You will then develop the solution with scaffolding and respond to an issue relating to your solution such as community, sustainability or economics. This course allows you to explore your own interests and align your solution and skills tasks towards your own passions.

What we learn:

This course is designed to allow you to gain theoretical knowledge and develop practical skills in both analogue and digital electronic circuit components and techniques. You will learn component and electrical theory, develop circuit analysis and troubleshooting skills, while designing and constructing circuits using bread boarding and printed circuit board construction techniques. You will learn to solve electrical circuit equations and undertake circuit measurement and testing.

How you will demonstrate evidence of your learning:

The course can be split into five sections: 2 skills tasks, an issues investigation, a resource study and the major product. The first four sections are designed to provide the skills required for your major product, where you manufacture a product of your choosing.

Additional Cost:

Nil, unless your chosen product exceeds the budget provided by the school.

Stage 2 Technologies - Material Solutions Timber Furniture

MATERIAL SOLUTIONS TIMBER FURNITURE

Are You interested in:

Working with timber as a material and learning processes specific to this area.

What we do:

You will have the opportunity to create a personalised design brief that allows you to construct a small intricate project using skills developed by using timber resources. You will complete a Specialised Skills Task involving CAD using Fusion 360 software where you will present drawings of different jointing techniques. You will also undertake a series of specialist machining skills relating to project development. You will complete a Resource Study that involves the completion of a resource study in two parts.

What we learn:

You will learn to use tools, materials and systems safely and competently to complete your project and a collection of practical specialist tasks. You will investigate the function and characteristics of timber materials and explore and analyse sustainable issues relating to a final product. You will complete an individual design folio focusing on the needs of your project.

How you will demonstrate evidence of your learning:

You will present evidence of your learning through three specific learning assessments area. The school assessment will include a skills task-and a Design Process (folio). The external assessment will be in the form of a Resource Study where students will undertake a study of materials and issues.

Additional Cost:

Nil. You may have excess costs depending on project design and material used.

COMPUTER AIDED DESIGN – PRODUCTS AND ARCHITECTURE

Are You interested in:

Learning how to create solutions to real world problems, how to re-design and problem solve through development processes using 3D printing, Laser cutting and CNC manufacturing equipment.

Additionally, are you interested in Architectural design and Building Information Modelling (BIM), resulting in the design and modelling of a residential or commercial structure?

What we do:

You will develop solutions to real world problems through the product realisation and development process ending with a final product you can take home or as a production plan for a scalable product. Fusion 360 (Product Design focus) and Revit (Architecture focus) are the primary software packages you will use.

What we learn:

You will learn a range of skills and processes such as:

- How to design in 3D with a focus on manufacturing and product development
- Designing, testing and creating parts based on the science of materials and manufacturing equipment available
- Using simulation tools to test designed parts with static stress, thermal, modal frequencies, structural buckling, non-linear static stress, event simulation, shape optimisation
- Creating technical drawings, elevations, floor plans and digital renders to communicate ideas
- Changing 3d printing parameters to affect changes in printed objects
- Designing a tool path to operate a CNC to manufacture a final product
- Developing skills to utilise laser cutting equipment in the product realisation process

How you will demonstrate evidence of your learning:

The majority of assessment is multimodal with analysis of what you have learnt/accomplished. With the External Assessment being half a written essay and half multimodal review.

School Assessment

- 2 Specialised Skills Tasks 20%
- Design Process and Solution 50%
 - Part One: Design Folio
 - Part Two: Solution and Product Record

External Assessment

- Resource Study 30%
 - Part One: Resource Investigation
 - Part Two: Issue Exploration

Additional Cost:

\$40

MATERIAL SOLUTIONS TEXTILES

Are You interested in:

Demonstrating creativity, planning, problem solving and evaluation skills to bring your designs to life?
Learning practical skills and the principles and elements of design to produce high quality garments that reflect current & global trends in textiles?

What we do:

Throughout the course you will be given the opportunity to develop specialised skills in textile design. Using the design process, you will investigate principles and elements of design to develop a 5-piece Collection. You will then plan and produce the Statement piece, including evaluating your work and making recommendations for improvement. Through the Resource Study, you will be given the opportunity to investigate and analyse the sustainability of the fashion industry both locally & globally.

What we learn:

You will learn a range of specialised skills that are essential for an aesthetic design and construction of quality textile-based garments.

Practical Skills:

- Lining
- Facings
- Pocket Construction
- Pleats
- Embellishments

Design Skills:

- Creating hand drawn illustrations and Trade Flats
 - Using CAD through Adobe Illustrator
 - Mood Boards
 - 5 Piece Line Up
 - Design Briefs
-

How you will demonstrate evidence of your learning:

School Assessment

- Specialised Skills Tasks (20%)
- Design Process and Product (50%)
 - Part One: Design Folio
 - Part Two: Designed Solution and Evaluation

External Assessment

- Resources Study (30%)
 - Part One: Resource Investigation
 - Part Two: Issue Exploration
-

Additional Cost:

\$0

FOOD AND HOSPITALITY

Are You interested in:

The dynamic nature of the food & hospitality industry in Australia? Developing a range of employability skills related to the food & hospitality industry including management, organisational and problem-solving skills? Furthering your skills in planning, preparing & presenting a range of foods & dishes to a high standard?

What we do:

Investigate the contemporary and changing nature of the food & hospitality industry, examining contemporary and future issues including economic, environmental, legal and sociocultural factors at local, national and global levels. Work individually and collaboratively to plan, prepare and present food that reflects current trends and issues within the food & hospitality industry.

What we learn:

Over the course of the year, topics covered include:

- Contemporary trends in food & hospitality at local, national and global levels
- The economic and environmental impact of the changing nature of the industry
- Rights & responsibilities of employees, employers, customers and unions within the industry
- The changing image of Australian cuisine and its impact on the food & hospitality industry
- The influence of social media & digital technologies on the industry

How you will demonstrate evidence of your learning:

Individually and within small groups, you will undertake a range of assessment tasks based on contemporary issues within the food & hospitality industry.

School Assessment

- Practical Activities (50%)
- Group Activity (20%)

External Assessment

- Investigation (30%)

Additional Cost:

\$30

CHILD STUDIES

Are You interested in:

Furthering your understanding of the incredible period of growth and development that is childhood?
Developing a range of employability skills related to the care & development of children? Pursuing a career related to children, including early education, nursing, occupational therapy or speech pathology?

What we do:

Investigate the growth and development of children from conception to eight years through individual, collaborative and practical activities in concepts including the development, needs and rights of children, the value of play, importance of child nutrition and behaviour management. Critically analyse and reflect on the importance of early childhood care & education in providing a strong foundation for lifelong learning & development.

What we learn:

Over the course of the year, topics covered include:

- The behavioural, cognitive, physical, social and emotional development of children
 - The role of play in the development of children
 - Food and nutritional requirements of children to support healthy eating practices
 - Legislation that supports and empowers parents and families in caring for children
 - The impact of scientific, medical and technological advancements in supporting the health and well-being of children
-

How you will demonstrate evidence of your learning:

Individually and within small groups, you will undertake a range of assessment tasks based on contemporary issues within child development.

School Assessment

- Practical Activities (50%)
- Group Activity (20%)

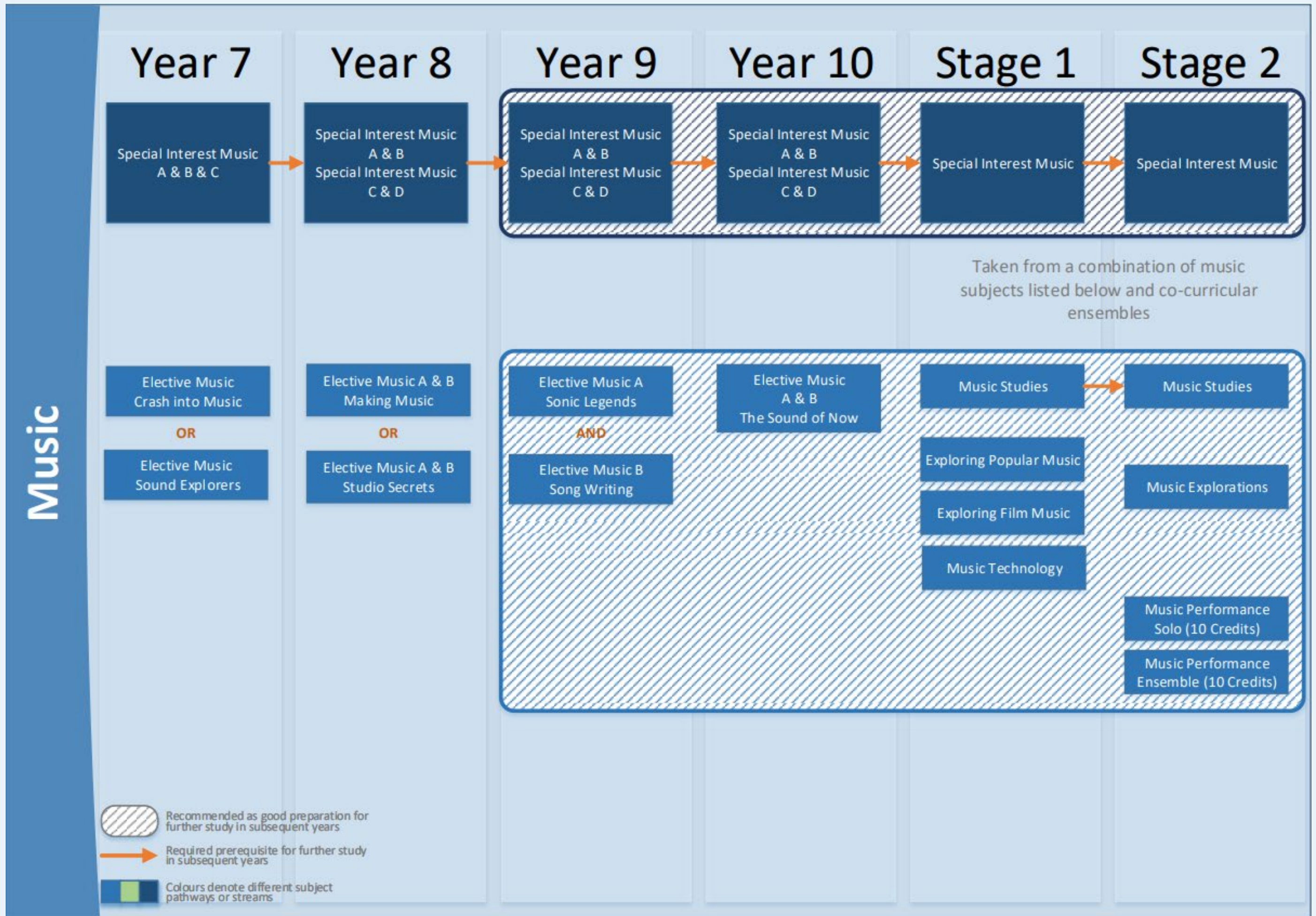
External Assessment

- Investigation (30%)
-

Additional Cost:

NIL

MUSIC Learning Area - Flow Chart



MUSIC – Stage 1

Stage 1 Music - Music Technology

MUSIC TECHNOLOGY

Are You interested in:

Electronic music, composing and listening to music.

What we do:

You will listen to a variety of music and investigate specific techniques used in sound design. You will explore compositional techniques, harmony and melody writing and apply these techniques to your own composition. You will explore sound reinforcement, sequencing, recording and audio processes as well as applied musicianship relevant to contemporary and electronic musical styles

What we learn:

You will gain knowledge and understanding of musical elements as well as a range of skills to compose, mix and edit music in a Digital Audio Workstation (DAW). You will explore and apply musical techniques and skills to create your own compositions.

How you will demonstrate evidence of your learning:

- Composition and composer's statement
- Musicianship class tasks
- Folio of digital techniques and processes

Additional Cost:

\$25

Stage 1 MUSIC - Exploring Popular Music A

EXPLORING POPULAR MUSIC

Are You interested in:

Listening, composing and performing music?

What we do:

You will listen to a variety of popular music and investigate microphones and recording techniques. You will explore musicianship, compositional techniques, harmony and melody writing and apply these techniques to your own composition. You will perform as a soloist or ensemble member.

What we learn:

You will gain knowledge and understanding of musical elements enabling you to apply composition techniques to create a song. Development of instrumental skills will enable you to perform and reflect on music. You will learn production techniques using a Digital Audio Workstation (DAW).

How you will demonstrate evidence of your learning:

- Pop song composition and composer's statement
- Solo or ensemble performance, live or recorded
- Musicianship class tasks

Additional Cost:

\$25

Stage 1 Music - Exploring Film Music B

EXPLORING FILM MUSIC

Are You interested in:

Listening, composing and performing music?

What we do:

You will listen to a variety of film music and investigate Foley sounds and film techniques. You will explore musicianship, compositional techniques, harmony and melody writing and apply these techniques to your own composition. You will perform as a soloist or ensemble member.

What we learn:

You will gain knowledge and understanding of musical elements enabling you to apply composition techniques to create a film soundtrack. Development of instrumental skills will enable you to perform and reflect on music. You will learn production techniques using a Digital Audio Workstation (DAW).

How you will demonstrate evidence of your learning:

- Film soundtrack composition and composer's statement
- Solo or ensemble performance, live or recorded
- Musicianship class tasks

Additional Cost:

\$25

Stage 1 Music - Music Studies A

MUSIC STUDIES A

Are You interested in:

Performance, Composition, Creative expression, and developing musical literacy.

What we do:

In this advanced music unit, you will perform as a soloist, write compositions and arrangements, and demonstrate understanding of the process of preparation and reflect upon the outcomes. You will develop broad musicianship skills: in particular, aural skills, as well as showing an understanding of advanced harmony including jazz progressions.

What we learn:

You will learn to understand music through the development of knowledge and understanding of musical elements, and the communication of musical ideas. You will create music through the application of knowledge and understanding of musical elements, the exploration and application of musical skills and techniques in developing, refining, and presenting creative works, and the interpretation of musical works. You will respond to music through the development of musical literacy skills, analysis and discussion of musical works and styles, and reflection on own learning in music.

How you will demonstrate evidence of your learning:

- Applied theory and harmony exam
- Performance and written discussion
- Arrangement and composition units with composer's statement (musical analysis)

Additional Cost:

\$25

Stage 1 Music - Music Studies B

MUSIC STUDIES B

Are You interested in:

Performance, Composition, Creative expression, and developing musical literacy.

What we do:

In this advanced music unit, you will perform as a soloist, write compositions and arrangements, and demonstrate understanding of the process of preparation and reflect upon the outcomes. You will develop broad musicianship skills: in particular, aural skills, as well as showing an understanding of advanced harmony including jazz progressions.

What we learn:

You will learn to understand music through the development of knowledge and understanding of musical elements, and the communication of musical ideas. You will create music through the application of knowledge and understanding of musical elements, the exploration and application of musical skills and techniques in developing, refining, and presenting creative works, and the interpretation of musical works. You will respond to music through the development of musical literacy skills, analysis and discussion of musical works and styles, and reflection on own learning in music.

How you will demonstrate evidence of your learning:

- Applied theory and harmony exam
- Performance and written discussion
- Arrangement and composition units with composer's statement (musical analysis)

Additional Cost:

\$25

MUSIC – Stage 2

Stage 2 Music - Music Performance: Solo

MUSIC PERFORMANCE: SOLO (FULL YEAR - 10 CREDITS)

Are You interested in:

Performing as a soloist; interpreting and discussing music.

What we do:

You will perform as a soloist and demonstrate your musical understanding of the pieces you play and your learning process.

What we learn:

You will learn to better understand music through expression of musical ideas, and application of knowledge and understanding of style, structure, and conventions. You will learn to perform music through the application of musical skills in refining and presenting performances, the use of musical techniques relevant to the style(s), and stylistic interpretation, including the effectiveness of the performance. You will learn to respond to music through discussion of key musical elements of the repertoire, and the critique and evaluation of your own learning within music.

How you will demonstrate evidence of your learning:

- Performance
- Performance and discussion
- Performance and evaluation

Additional Cost:

\$25

Stage 2 - Music Performance: Ensemble

MUSIC PERFORMANCE: ENSEMBLE (FULL YEAR - 10 CREDITS)

Are You interested in:

Performing as a member of an ensemble; interpreting and discussing music.

What we do:

You will perform as a member of an ensemble and demonstrate your musical understanding of the pieces you play and your learning process.

What we learn:

You will learn to better understand music through expression of musical ideas, and application of knowledge and understanding of style, structure, and conventions. You will learn to perform music through the application of musical skills in refining and presenting performances, the use of musical techniques relevant to the style(s), and stylistic interpretation, including the effectiveness of the performance. You will learn to respond and collaborate within the ensemble, and to respond to music through discussion of key musical elements of the repertoire, and the critique and evaluation of your own learning within music.

How you will demonstrate evidence of your learning:

- Performance
- Performance and discussion
- Performance and evaluation

Additional Cost:

\$25

Stage 2 Music - Music Studies

MUSIC STUDIES

Are You interested in:

Performing, composing, expression with and about music, and developing musical literacy?

What we do:

In this advanced music unit, you will perform as a soloist or write compositions, and demonstrate understanding of the process of preparation and reflect upon the outcomes. You will develop broad musicianship skills: in particular, aural skills, as well as showing understanding of music through analysis of both printed music and recorded music. You will have the opportunity to choose a style of harmony to research and demonstrate understanding in this, which can then be applied to the work in this unit. Creative arrangements will be studied and written.

What we learn:

You will learn how to better understand music by reflecting on musical influences on original creations, and synthesising findings and expression of musical ideas. You will create music by applying knowledge and understanding of musical elements, applying musical skills and techniques in developing, refining, and presenting creative works, interpreting musical works, and manipulating musical elements. You will respond to music by applying a range of musical literacy skills, including aural perception and notation, and deconstructing and analysing musical works and/or styles.

How you will demonstrate evidence of your learning:

- Performance (your choice in consultation with teachers) or composition (set works and own choices) with creator's statement
- Extended harmony task (your choice of style)
- Written analysis of a piece of music of your choice (from a selection)
- Arranging task (your choice of piece into your choice of style)
- Musicianship and analysis examination

Additional Cost:

\$50

MUSIC EXPLORATIONS

Are You interested in:

Composing, listening and/or performing music.

What we do:

You will listen to a variety of music, explore compositional techniques and harmonic and melodic writing. You will compose music in a range of styles and/or perform as a soloist or ensemble member. You will investigate applied musicianship relevant to contemporary music.

What we learn:

You will gain knowledge and understanding of musical elements. You will learn contemporary music literacy skills and techniques to enable you to create and reflect on music. You will explore and refine production techniques using a Digital Audio Workstation (DAW).

How you will demonstrate evidence of your learning:

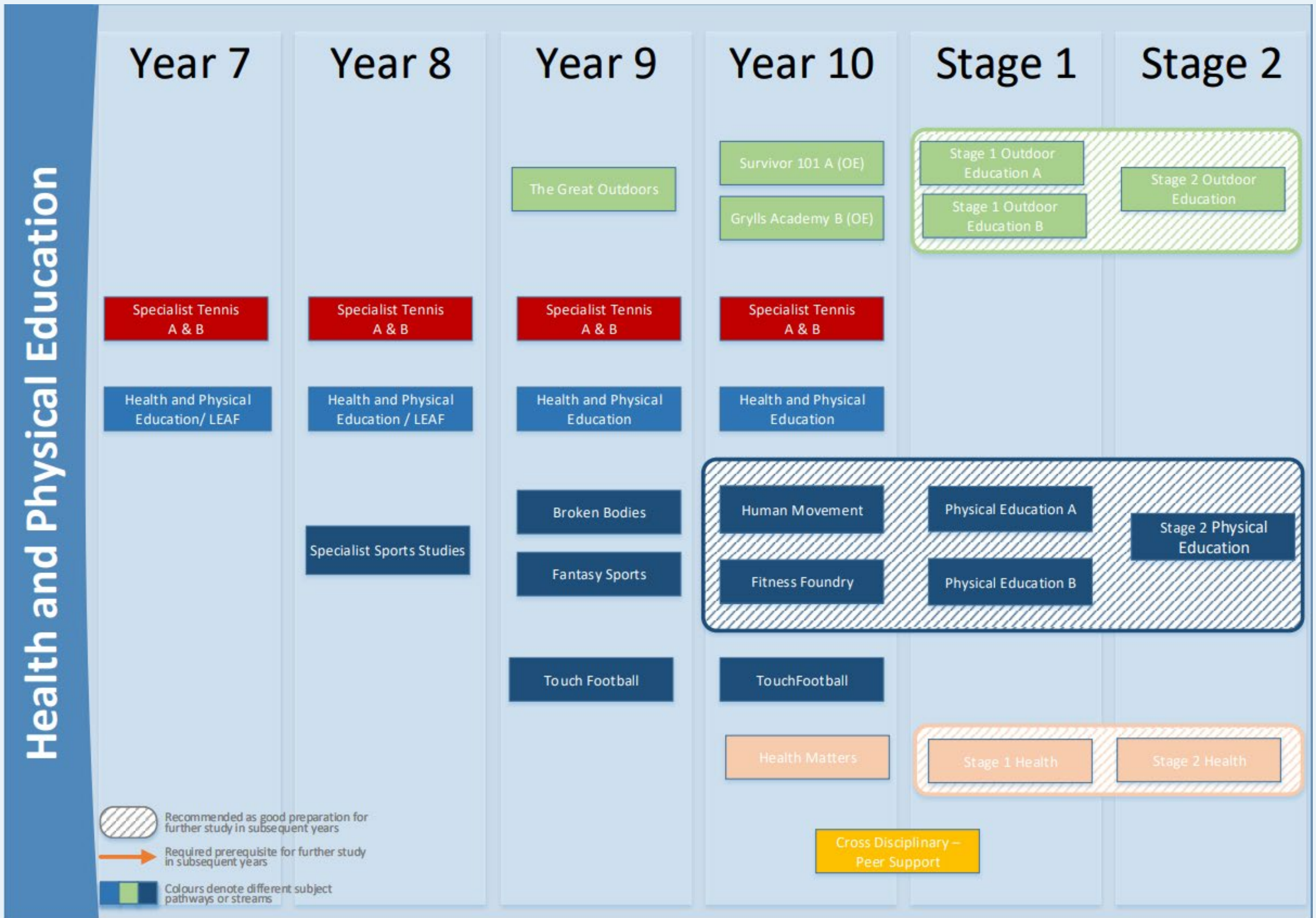
School assessment (70%)

- **Assessment Type 1: Musical Literacy (30%)**
 - Contemporary Popular Song composition, lead sheet and composer's statement, Concert Review, Aural skills task
 - **Assessment Type 2: Explorations (40%)**
 - A set of short Performances or a set of compositions that explore music, and commentary
 - **External assessment (30%)**
 - **Assessment Type 3: Creative Connections (30%)**
 - Externally examined Performance or Composition, with discussion
-

Additional Cost:

\$50

HPE Learning Area - Flow Chart



HPE – Stage 1

Stage 1 Health and Physical Education – Physical Education A

PHYSICAL EDUCATION A

Are You interested in:

Physical Activity, Physiology, Skill Acquisition, Fitness Factors, Data Collection, Stage 2 PE, careers in Health Sciences

What we do:

You will utilise our practical lessons to collect data to inform our assignments. You will look into the Physiology of sports such as AFL, Touch, Netball and European Handball and how various aspects enable players to be more successful in different positions of the game. Through the use of constraints based learning you will investigate how modifications to sports can make them more accessible and inclusive.

What we learn:

Through our practical lessons, you will look into how to collect and analyse a range of data including statistics, HR and GPS. You will learn about the physiological requirements of games and how these impact players throughout matches. You will learn about how the demands of games eg: rules, playing area, time and equipment can influence play and the impact modifications can have on inclusivity, participation and performance.

How you will demonstrate evidence of your learning:

Through practical data collection and analysis of concepts.

- Assessment Type 1: Performance Improvement
 - Physical Demands of Invasion Games
 - Assessment Type 2: Physical Activity Investigation
 - Modified Games Participation Analysis
-

Additional Cost:

Nil

Stage 1 Health and Physical Education – Physical Education B

PHYSICAL EDUCATION B

Are You interested in:

Physical Activity, Biomechanics, Sport and Society, Data Collection, Stage 2 PE, careers in Health Sciences

What we do:

You will utilise the practical lessons to collect data to inform your assignments. You will look into the biomechanics of badminton and how various aspects enable a skilful player to be successful and impact your own improvement. Through the use of Figueroa's Framework you will explore a range of sports and look at the barriers and enablers that individuals may have and their ability to engage within a variety of sports.

What we learn:

Through our practical lessons, you will look into how to collect and analyse a range of data including statistics, HR and GPS. You will analyse the different shots of badminton and how the biomechanical concepts such as force summation, levers, angle of release and speed of release impact them. Through the use of Figueroa's Framework you will explore a range of sports and look at the barriers and enablers that individuals may have and their ability to engage within a variety of sports. Through this individual's justify which sport they are suited for.

How you will demonstrate evidence of your learning:

Through practical data collection and analysis of concepts.

- Assessment Type 1: Assessment Type 1: Performance Improvement
 - Analysis of the Biomechanics of Badminton
 - Assessment Type 2: Physical Activity Investigation
 - Exploration on the barriers and enablers of sports
-

Additional Cost:

Nil

Stage 1 HPE– Health and Wellbeing

HEALTH AND WELLBEING A AND B

Are You interested in:

Mental, Sexual and Physical Health, Wellbeing, Diversity and Health Promotion

What we do:

You will examine current health issues at an individual, local and global context

What we learn:

- Mental health and Wellbeing including a practical action plan to improve your own wellbeing
 - Ethical understanding of an arrange of health issues
 - Diversity and Inclusion
 - Relationships and Sexuality
 - Sexual Health
 - Critical thinking skills and analysis
-

How you will demonstrate evidence of your learning:

- Class discussions and debates
 - Individual and group task
 - Research and analysis of current health issues
 - Personal reflection on health trends and issues
 - Solve problems and make recommendations to current issues
 - Opportunity to present work in written and/or multimodal forms
-

Additional Cost:

Possible excursion and/or incursion/s fee to participate in health promoting activities (for example: Yoga, Hiking)

OUTDOOR EDUCATION A

Are You interested in:

Surfing, bushwalking and camping with your mates? Do you want to learn some of these activities and develop your personal growth, social skills, initiative, self-reliance, leadership and collaborative skills along the way?

What we do:

Term 1 you will head to Berry Bay on the Yorke Peninsula to join the local pod of dolphins while learning the skills of surfing as well as tent camping and Trangia cooking. Term 2 you will head to Deep Creek to bushwalk through the stunning scenery the Fleurieu Peninsula has to offer. Along the way, you might even be lucky enough to spot an echidna or a whale! While there is no practical grade, the assignments are actually interesting because you delve deeper into everything you experience and learn along the way.

What we learn:

- Surf technique
- Surf safety
- Navigation
- Tent camping
- Trangia cooking and menu planning
- Planning
- Relationships & Group Dynamics
- Leadership
- Skill development
- Personal Growth
- Self-Reliance
- Ecology & Conservation
- Minimal Impact
- Personal connection with natural areas

How you will demonstrate evidence of your learning:

- **Assessment Type 1: About Natural Environments**
 - **Deep Creek Conservation Park – A wild journey.**
You will develop an understanding of environmental systems and issues of potential human impacts on natural environments through investigation of ecosystems and consideration of historical, cultural, and/or personal perspectives of the Deep Creek Conservation Park.
- **Assessment Type 2: Experiences in Natural Environments**
 - **Surfing – A resilience story, learning to get up and stay up**
Presentation outlining personal planning and learning that provides evidence and details of experiences, personal observations, skill development and achievement with reflection on these.
 - **Bushwalking – finding my way, the journey and the destination. What I found out about along the way!**
Presentation outlining personal planning and learning that provides evidence and details of experiences, personal observations, skill development and achievement with reflection on these.

Additional Cost:

\$300

OUTDOOR EDUCATION B

Are You interested in:

Rock climbing, kayaking and camping with your mates? Do you want to learn some of these activities and develop your personal growth, social skills, initiative, self-reliance, leadership and collaborative skills along the way?

What we do:

Term 3 you will head to Warren Gorge in the Flinders Ranges to climb the heights and abseil the stunning rock faces as well as tent camping and Trangia cooking. Term 4 you will head to the mighty Murray River to kayak through the stunning scenery this area has to offer. Along the way, you might even be lucky enough to spot a lace monitor, emus, kangaroos and even wild pigs! While there is no practical grade, the assignments are actually interesting because you delve deeper into everything you experience and learn along the way.

What we learn:

- Rock climbing safety and technique
- Kayaking safety and technique
- Navigation
- Tent camping
- Trangia cooking and menu planning
- Planning
- Relationships & Group Dynamics
- Leadership
- Skill development
- Personal Growth
- Self-Reliance
- Ecology & Conservation
- Minimal Impact
- Personal connection with natural areas

How you will demonstrate evidence of your learning:

- **Assessment Type 1: About Natural Environments**
 - **Investigation of environmental issues effecting the River Murray – issues, causes and solutions for a sustainable future.**
You will develop an understanding of environmental systems and issues of potential human impacts on natural environments through investigation of ecosystems and consideration of historical, cultural, and/or personal perspectives of the Murray River area.
- **Assessment Type 2: Experiences in Natural Environments**
 - **Rock climbing – Reaching great heights.**
Presentation outlining personal planning and learning that provides evidence and details of experiences, personal observations, skill development and achievement with reflection on these.
 - **Kayaking – finding my way, the journey and the destination. What I found out about along the way!**
Presentation outlining personal planning and learning that provides evidence and details of experiences, personal observations, skill development and achievement with reflection on these.

Additional Cost:

\$300

Stage 1 - Cross Disciplinary – Peer Support

PEER SUPPORT

Are You interested in:

Developing your leadership Skills and supporting primary school students' transition to Marryatville High School? Are you also interested in making a positive difference to the connectedness and culture that exists at school?

What we do:

The course is designed to support the transition of both Year 7 students here at Marryatville High School. We do this by working within home groups, running a splash carnival and attending a transition camp, including running night activities. Within the home groups you also deliver three sessions to either the Year 7 cohort. These have been traditionally around Bullying, Study Skills and the safe use of Social Media. The final section of the course is a personal venture, which involves developing an area of interest such as mentoring an individual or group of students within your chosen home group.

What we learn:

- Leadership skills
 - Public speaking through the delivery of presentations
 - Skills to be a positive role model
 - Planning, organisation and time management skills
 - Critical and creative thinking
 - Elements of personal and social development
-

How you will demonstrate evidence of your learning:

- Written reflections
 - Lesson and activity plans
 - Practical Applications
 - Oral Presentations
-

Additional Cost:

Nil

PE – Stage 2

Stage 2 Health and Physical Education – Physical Education

PHYSICAL EDUCATION

Are You interested in:

A career in sport and exercise science, physiotherapy, exercise training, high performance management or coaching?

What we do:

You will participate in badminton, touch football and a negotiated invasion games unit to explore their physical capacities and investigate the factors that influence performance. You will undertake a personal fitness venture to lead to greater movement confidence and competence. You will collect, analyse and evaluate evidence to make meaning of performance and participation

What we learn:

You will develop knowledge and understanding of exercise physiology, biomechanical, psychological and skill acquisition concepts. You will learn how to collect, analyse and evaluate a range of data. You will develop the ability to use your understanding of theoretical concepts and data analysis to make meaning of physical activity and design and evaluate ways to improve performance

How you will demonstrate evidence of your learning:

- **Assessment Type 1 A: Physiology of Invasion Games (15%)** You will analyse elite performance to identify the physiological demands of a chosen invasion game. You will use an analysis and comparison of Year 12 and Elite movement evidence to compare and evaluate the impacts of fatigue and recovery on performance
- **Assessment Type 1 B: Movement Strategy Analysis (15%)** Using an ecological dynamics approach to skill acquisition and performance students analyse your ability to utilise the movement strategies of decision making, exploiting space or movement execution in badminton in comparison to elite players. You will then use an understanding of affordances and constraints to design practice environments to improve performance
- **Assessment Type 2: Personal Fitness Venture (40%)** You will undertake a personal journey of improvement with focus on a school, community or individual based physical activity. You will design and implement strategies for improvement and use an analysis of evidence to evaluate the effectiveness of your program
- **Assessment Type 3: Group Dynamics (30%)** Within a touch football team, you will undertake a role of either a fitness, tactical, technical or motivational coach. You will analyse the participation and performance of their team and use your understanding of physiological, biomechanical and/or skill acquisition concepts to design and implement strategies to improve performance. You will then complete an individual analysis and evaluation of the impact you had on your team's performance

Additional Cost:

Nil

HEALTH AND WELLBEING

Are You interested in:

Preventative health strategies, understanding and developing your own health and collaborating with others?

What we do:

You will investigate and analyse current health topics and issues, participate in health initiatives and evaluate at an individual, local and global context.

What we learn:

- Health literacy terms and the context of them
 - Wholistic health and the 5 aspects of an individuals' health
 - Health theories, concepts and methodologies
 - Health determinants and what can influence these
 - What stress is and strategies to better deal with it
 - Achieving short-term realistic goals
 - Health promotion and prevention strategies
-

How you will demonstrate evidence of your learning:

Through language rich written assessment, you will investigate health factors, analyse trends and data to plan, create and implement a campaign or program addressing the health issue. You will use empathetic and ethical understanding to evaluate, solve problems and make recommendations for current health programs and systems.

Additional Cost:

Possible excursion costs.

OUTDOOR EDUCATION

Are You interested in:

Camping, bushwalking, kayaking, canoeing, sailing, windsurfing? Do you want to learn some of these activities and along the way, develop your personal growth, social skills, initiative, self-reliance, leadership and collaborative skills? Do you want to plan an entire camp with your friends and undertake it with limited supervision?

What we do:

You will undertake an aquatic based camp in Term 1. The Term 2 camp is a practice for the self-reliant camp. During Term 2, the class plans the Term 3 'Self-Reliant' camp. This involves location decision; booking of sites, instructors, buses, equipment; budgeting; consent forms; risk assessment; department excursion application forms; etc. A whole lot of learning and fun is had along the way.

What we learn:

- Planning
- Relationships & Group Dynamics
- Leadership
- Skill development
- Personal Growth
- Self-Reliance
- Ecology & Conservation
- Minimal Impact
- Personal connection with natural areas

How you will demonstrate evidence of your learning:

- **Assessment Type 1: Conservation in our backyard**
Involvement with the Bush Action Team (BAT) for firsthand involvement with conservation and environmental outcomes (Indigenous perspective).
- **Assessment Type 2: A tale from the high seas – a story of personal development**
Presentation using reflection and evaluation outlining personal development and learning from the outdoor journeys and experiences from the Pt. Vincent Sailing/Windsurfing camp. Provides evidence of activities, planning, relationships, leadership, observations, skill development, growth, and achievement.
- **Assessment Type 2: The final journey – personal reflection and evaluation of course learning 'to journeys end'.**
Presentation using reflection and evaluation outlining personal development and learning from all outdoor journeys and experiences. Provides evidence of activities, planning, relationships, leadership, observations, skill development, growth, self-reliance and achievement.
- **Assessment Type 3: Connections with natural environments**
Investigate and/or explore a personal connection with natural areas focusing on environmental or human considerations.

Additional Cost:

\$500
