



ST JOHN'S COLLEGE NAMBOUR

YEAR 10 CURRICULUM HANDBOOK

2020

(Version 1.1)

Junior Curriculum Handbook 2020 (Published August 2019)

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SUBJECT SELECTION

General Information about subject selections in Junior Years at St. John's College:

In choosing subjects, we recommend that students:

- Choose subjects that they are good at;
- Choose subjects that they like;
- Be realistic in making choices according to their ability, including taking into account recommendations made by teachers and Curriculum Leaders.
- Choose subjects which they wish to study – DO NOT choose subjects simply to be with friends or because you like the teacher!
- Consider a long-term approach to choosing subjects – YOU ARE CHOOSING SUBJECTS FOR THE ENTIRE YEAR OF YEAR 10 ... you will need to apply to change subjects throughout the year. Choose subjects you are interested in, but also topics which you are keen to study.
- Choose subjects which lead into areas of study in Years 11 and 12 that students might be interested in pursuing;
- Choose subjects that are prerequisites for courses that they wish to do after Year 12 (for example, at TAFE or University level) – ***THIS IS PARTICULARLY IMPORTANT IN THE AREAS OF ENGLISH, MATHEMATICS, SCIENCE, HISTORY AND THE ARTS.***

For the different year levels, we recommend:

- **Years 8 and 9 students** should try a range of electives so that they keep their options open for the future. Students should not be afraid to try something new in these year levels if they think that they may be interested in studying it further in the future. It is important for these students to consider all alternatives so that they get a number of different experiences during these years.
- **Year 10 students** should be seriously choosing subjects which lead into areas which they are interested in studying in Years 11 and 12. Many subjects will be introducing concepts which will be re-visited in the Senior Years, so studying those courses in Year 10 could be helpful in gaining a better insight into what to expect in Senior. Students select year-long subjects and have to apply to change subjects throughout the year.
- Alternatively, **Year 10 students** should also consider subjects which will assist them in obtaining valuable skills to enable them to gain employment after leaving school. Some student will not be looking at returning for Years 11 and 12, and these students should ensure they keep as many options open as they possibly can through these choices.

What will students study:

YEAR 8	YEAR 9	YEAR 10
Religious Education (whole year) English (whole year) Mathematics (whole year) Humanities (whole year) Science (whole year) Health & Physical Education (whole year) 4 Student Selected (Elective) subjects – 2 per semester	Religious Education (whole year) English (whole year) Mathematics (whole year) Humanities (whole year) Science (whole year) Health & Physical Education (whole year) 6 Student Selected (Elective) subjects – 3 per semester	Religious Education (whole year) English (whole year) Mathematics (whole year) 4 Student Selected (Elective) subjects – Whole of year subjects – students must apply to do any changes throughout the year and such changes will be limited.

Getting started:

Whilst many students in all year levels do not know exactly what career to pursue, they should try to determine the areas of future employment they might enjoy. Much can be learned from re-visiting their My Career Match Profile, exploring career websites and quizzes e.g. myfuture - <http://www.myfuture.edu.au/> ; Job Outlook - <http://joboutlook.gov.au/careerquiz.aspx> ; Career Quest - <http://www.careers.govt.nz/tools/> ; studying the Job Guide and talking to people who work in areas of interest to you.

If you are struggling to find a career path or direction, a really great place to start is the **Student Connect website**. <http://www.studentconnect.qcaa.qld.edu.au>. The Student Connect website is designed, maintained and provided for by the Queensland Government in conjunction with educational authorities.

It is ideal for families to use and provides a starting point for discussion:

- ✓ identifying interests and abilities through actual exercises
- ✓ exploring suitable career paths
- ✓ decision making and planning

The College's Careers Department also operates a website:

<http://www.stjohnscollegecareers.com/>.

This is a valuable resource for students and families to utilise as much of the research has already been completed. Students should register in the Secure Student Area to access many career planning quizzes and resources.

Changes to Senior Secondary Schooling processes from 2019

The system of Senior Secondary Schooling is changing from 2019. These changes will impact on the Year 10 students in 2020 (the current Year 9 student cohort). Important changes include the introduction of subject based external assessment pieces for many subjects and the replacing of the OP Score with ATAR results.

Students, Parents and Carers will be provided with additional information in regards to these changes and how they are implemented at St John's College in the lead up to subject selections for the Senior Years.

General information relating to Senior education in Queensland is available at www.qcaa.qld.edu.au.

Where to get advice:

At St John's College, almost anyone can be a source of information about subjects. In particular, you could talk to:

- ❖ Curriculum Middle Leaders and teachers to gain information about their particular subjects.
- ❖ Years 10 – 12 Pastoral Middle Leaders about transition issues from Junior to Senior years.
- ❖ The Pathways Team – particularly for those students who are interested in traineeships and apprenticeships in future years.
- ❖ Members of the College Leadership Team.
- ❖ Students who are currently studying those subjects which you are interested in.

This Handbook:

We encourage you to take the time to read this handbook so that you can make wise and informed choices. It is set out in department areas so that you can see what subjects are available in each department.

This will take some time to work through, but we believe it is time that is well invested for you to achieve successful future outcomes.

In particular, you should consider:

- Which topics are being studied in each semester of these subjects and pick areas which you are most interested in;
- What subjects do you most want to study? These should be your first preferences to give yourself the best chance of receiving these choices.
- Look to plan your ideal program across Years 8 to 10 so that you can see a pathway emerging of what subjects you might like to study in Years 11 and 12. The table below can assist with this.

YEAR 8 SEMESTER 1	YEAR 8 SEMESTER 2	YEAR 9 SEMESTER 1	YEAR 9 SEMESTER 2	YEAR 10 SEMESTER 1	YEAR 10 SEMESTER 2
RE English Mathematics Humanities Science Health & Physical Education	RE English Mathematics Humanities Science Health & Physical Education	RE English Mathematics Humanities Science Health & Physical Education	RE English Mathematics Humanities Science Health & Physical Education	RE English Mathematics NOTE: Students will be required to select at least one Science subject in their preferences unless they have applied and been approved to be exempt from this.	
ELECTIVE 1	ELECTIVE 1	ELECTIVE 1	ELECTIVE 1	ELECTIVE 1	
ELECTIVE 2	ELECTIVE 2	ELECTIVE 2	ELECTIVE 2	ELECTIVE 2	
		ELECTIVE 3	ELECTIVE 3	ELECTIVE 3	
				ELECTIVE 4	

RELIGIOUS EDUCATION

AVAILABLE SUBJECTS

LEVEL 4 CORE SUBJECT (studied in Year 10)		
Contact Person: Fiona Baker		
Code: 10RE41	Subject Name – Religious Education 4-1	Length: 1 Semester

Overview	<p>OMG – Oh My God</p> <p>In Year 10, Term 1, students learn about various ways in which humans have understanding of the mystery of God or the 'Other', which is ultimately beyond human language, concepts and stories. These include the human experience of the created world; the valuable insights of the major world religions (Christianity, Islam, Judaism, Hinduism and Buddhism) as reflected in their core beliefs and practices; the different representations of God in Old Testament and New Testament texts by various human authors in different historical, social and cultural contexts; Christian spiritual writings that search for the mystery of God in the midst of world events and the course of human history; and participation in personal and communal prayer that can lead believers to contemplation (the simple awareness of the presence of God).</p> <p>Students continue to develop their understanding of prayer in the Christian tradition through an exploration of Centreing Prayer; and meditative prayer practices, including praying with the help of nature.</p> <p>Social Justice</p> <p>In Year 10, Term 2, students explore how the Church has responded to the range of unprecedented threats to both human ecology and environmental ecology facing Australian and the Modern World (c.1918 to the present) from science, technology, materialism, consumerism and political ideologies. They develop critical understanding of the various sources that guide the Church's action in the world today, including the teaching of Jesus and the early Church, the principles of Catholic social teaching and the reasoned judgements of conscience, carefully formed and examined.</p> <p>Students examine the Eucharist as the primary and indispensable source of nourishment for the spiritual life of believers, who carry on Jesus' mission in the world. They continue to develop their understanding of prayer in the Christian tradition through an exploration of; prayers for justice, peace and the environment, including the Prayer of St Francis.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	Subject specific content knowledge and skills acquired in Year 9

<p>Topics Studied:</p>	<p>Term 1:</p> <ul style="list-style-type: none"> • Mystery of God • World Religions • Cultural Contexts • Representations of God <p>Term 2:</p> <ul style="list-style-type: none"> • Moral conscience • Authority of Church Teachings • Eucharist • Social Justice and Human Dignity • Prayer <p>Skills: explain, analyse, use evidence, evaluate, critically analyse, develop and justify, participate</p>
<p>Assessment:</p>	<p>Term 1: Creative Work and Evaluative Paragraph/ Analytical Paragraphs</p> <p>Term 2: Feature Article/Analytical Essay</p>
<p>Pathways to Senior Schooling</p>	<p>Students will be required to obtain a C+ level grade or higher to select the subject Study of Religion in Years 11 and 12.</p> <p>All students are eligible to select Religion and Ethics in Years 11 and 12.</p> <p>Either Study of Religion or Religion and Ethics must be studied at St John's College throughout Years 11 and 12. This is documented in the Student Agreement which is signed in Year 10 and is a compulsory element of attending a Brisbane Catholic Education run school.</p>
<p>Career Pathways</p>	<p>This course will be a good starting point for further study after leaving school. It could also lead to employment in the areas of hospitality and service industries; government, foreign service and the Peace Corps; Museums and the arts; Non-profit or non-governmental organisations and some forms of publishing. Additional tertiary study in Religious Education areas could lead to careers in Counselling, Social Work, Education, Journalism, Sociology or Psychology</p>
<p>Additional fees and charges</p>	<p>NIL</p>
<p>Additional information</p>	<p>This subject is studied by all students in Year 10 during Semester 1.</p>

LEVEL 4 CORE SUBJECT (studied in Year 10)		
Contact Person: Fiona Baker		
Code: 10RE42	Subject Name – Religious Education 4-2	Length: 1 Semester

Overview	<p>Morality – Love and Sin</p> <p>In Year 10, Term 3, students learn about the different representations of God in Old Testament and New Testament texts by various human authors in different historical, social and cultural contexts. Students explore how the Church has responded to the range of unprecedented threats to both human ecology and environmental ecology facing Australian and the Modern World (c.1918 to the present) from science, technology, materialism, consumerism and political ideologies.</p> <p>They develop critical understanding of the various sources that guide the Church's action in the world today, including the teaching of Jesus and the early Church, the principles of Catholic social teaching and the reasoned judgements of conscience, carefully formed and examined.</p> <p>From Chaos to Calm: the Christian Way</p> <p>In Year 10, Term 4, students learn about various ways in which humans understand the mystery of God or the 'Other', which is ultimately beyond human language, concepts and stories. These include the human experience of the created world; the valuable insights of the major world religions (Christianity, Islam, Judaism, Hinduism and Buddhism) as reflected in their core beliefs and practices; Christian spiritual writings that search for the mystery of God in the midst of world events and the course of human history; and participation in personal and communal prayer that can lead believers to contemplation (the simple awareness of the presence of God).</p> <p>Students explore how the Church has responded to the range of unprecedented threats to both human ecology and environmental ecology facing Australian and the Modern World (c.1918 to the present) from science, technology, materialism, consumerism and political ideologies.</p> <p>They develop critical understanding of the various sources that guide the Church's action in the world today, including the teaching of Jesus and the early Church, the principles of Catholic social teaching and the reasoned judgements of conscience, carefully formed and examined. They continue to develop their understanding of prayer in the Christian tradition through an exploration of the Magnificat and the Canticle of Creation.</p>
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<p>Prerequisites / Recommended Prior Study / Assumed Knowledge</p>	<p>Subject specific content knowledge and skills acquired in Semester 1</p>
<p>Topics Studied:</p>	<p>Term 3:</p> <ul style="list-style-type: none"> • Biblical Criticism • Moral Conscience Formation • Church Teachings <p>Term 4:</p> <ul style="list-style-type: none"> • Magnificat and the Canticle of Creation • Church Teachings • Church History <p>Skills: develop and justify, explain use evidence, evaluate, analyse, critically analyse</p>
<p>Assessment:</p>	<p>Term 3: Analytical Essay</p> <p>Term 4: PowerPoint/Movie</p>
<p>Pathways to Senior Schooling</p>	<p>Students will be required to obtain a C+ level grade or higher to select the subject, Study of Religion in Years 11 and 12.</p> <p>All students are eligible to select Religion and Ethics in Years 11 and 12.</p> <p>Either Study of Religion or Religion and Ethics must be studied at St John's College throughout Years 11 and 12. This is documented in the Student Agreement which is signed in Year 10 and is a compulsory element of attending a Brisbane Catholic Education run school.</p>
<p>Career Pathways</p>	<p>This course will be a good starting point for further study after leaving school. It could also lead to employment in the areas of hospitality and service industries; government, foreign service and the Peace Corps; Museums and the arts; Non-profit or non-governmental organisations and some forms of publishing. Additional tertiary study in Religious Education areas could lead to careers in Counselling, Social Work, Education, Journalism, Sociology or Psychology</p>
<p>Additional fees and charges</p>	<p>NIL</p>
<p>Additional information</p>	<p>This subject is studied by all students in Year 10 during Semester 2.</p>

ENGLISH AND L.O.T.E.

AVAILABLE SUBJECTS

LEVEL 4 CORE SUBJECT (studied in Year 10)**Contact Person: Maree Anning****Code: 10ENG41****Subject Name – English 4-1****Length: 1 Semester**

Overview	<p><i>Interpretation and Analysis of Texts</i></p> <p>This unit extends students' knowledge of representations, culture, identity and issues in a variety of literary and non-literary texts. The focus is to develop students' understanding of examining, analysing, interpreting and presenting perspectives and representations in literary and non-literary texts through written and spoken analytical and persuasive responses.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	It is assumed that students have prior knowledge of Analytical and Persuasive language skills; and prior study of literary and non-literary texts from study in Junior English units.
Topics Studied:	<ul style="list-style-type: none"> • Power of the media • Interpretation of political and social print cartoons • Interpretation of the tone and positioning of the audience within various media texts • Persuasive language techniques in spoken texts • Deconstruction of representations, characterisation, setting, symbolism and meaning in a literary novel text • Analytical essay techniques in written texts.
Assessment:	<p>Persuasive Spoken Multimodal Presentation</p> <p>Analytical Essay Examination</p>
Pathways to Senior Schooling	<p>This subject prepares students for any of English units offered in Semester 2 and Senior School: English, Literature and Essential English.</p> <p>Students will be required to obtain a C- level grade or higher in English at the end of Semester 1 Year 10 to be eligible to study English or Literature in Semester 2 Year 10.</p>
Career Pathways	Students will be required to obtain a C- level grade or higher in an English subject in Years 11 and 12 in order to obtain an ATAR or QCE. Additionally, many university courses require a C- level grade or higher in Senior English or Literature subjects to gain entry into the course.

Additional fees and charges	NIL
Additional information	This subject is studied by all students in Year 10 during Semester 1.

LEVEL 4 CORE SUBJECT (studied in Year 10)**Contact Person: Maree Anning****Code: 10ENG42****Subject Name – English 4-2****Length: 1 Semester**

Overview	<p><i>Creating Imaginative and Analytical Texts for a Public Audience</i></p> <p>This unit extends students' prior knowledge of Descriptive Writing techniques with a particular focus on written response to stimulus and Imaginative Texts. Students learn to experiment with the power of language to represent ideas, events and people and the use of aesthetic features to craft their writing. Another focus of this unit is to extend students' knowledge of Shakespearean context, language, representations and symbolism; and are introduced to writing for a Public Audience.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	Students will be required to obtain a C- level grade or higher in 10ENG41 in Semester 1 to enter this subject in Semester 2 without an interview with the English Curriculum Middle Leader and/or AP Curriculum.
Topics Studied:	<ul style="list-style-type: none"> • Development of Descriptive Writing skills • Using language to position readers • Play deconstruction and analysis • Use of language to create representations, meaning and tone in written texts
Assessment:	<p>Written Descriptive Writing Examination</p> <p>Written Analytical Response for a Public Audience</p>
Pathways to Senior Schooling	This unit prepares students for either English or Literature in the Senior School.
Career Pathways	Students will be required to obtain a C- level grade or higher in an English subject in Years 11 and 12 in order to obtain an ATAR or QCE. Additionally, many university courses require a C- level grade or higher in Senior English or Literature subjects to gain entry into the course.

Additional fees and charges	NIL
Additional information	At least one English subject is studied by all students in Year 10 during Semester 1 and 2.

LEVEL 4 CORE SUBJECT (studied in Year 10)		
Contact Person: Maree Anning		
Code: 10ENG43	Subject Name – English Literature 4-3	Length: 1 Semester

Overview	<p><i>THIS SUBJECT WILL ONLY BE OFFERED IN SEMESTER 2</i></p> <p><i>Creating Analytical and Imaginative Texts</i></p> <p>This subject focuses on the study of literary texts, developing students as independent, innovative and creative learners and thinkers who appreciate the aesthetic use of language and interpretations through the analysis and creation of varied texts. In this unit, students explore the relationship between language, culture and identity in literary texts. Students also experiment with the power of language to represent ideas, events and people; the use of aesthetic features to craft perspectives; along with examining and analysing analytical and imaginative texts to produce appropriately sequenced and coherent texts.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	Students will be required to obtain a B level grade or higher in 10ENG41 in Semester 1 to be considered for entry into this subject.
Topics Studied:	<ul style="list-style-type: none"> • Power of language • Aesthetic use and effect of language • Relationship between language, culture and identity • Analysis of literary texts; imaginative writing in response to literary texts.
Assessment:	<p>Imaginative Writing in response to a literary text.</p> <p>Analytical Essay in response to a literary text.</p>
Pathways to Senior Schooling	This subject introduces students to Literature which is one of the English subjects available for student choice in the Senior School. This subject also prepares students for either English or Literature in the Senior School.

<p>Career Pathways</p>	<p>Students will be required to obtain a C- level grade or higher in an English subject in Years 11 and 12 in order to obtain an ATAR or QCE. Additionally, many university courses require a C- level grade or higher in Senior English or Literature subjects to gain entry into the course.</p>
<p>Additional fees and charges</p>	<p>NIL</p>
<p>Additional information</p>	<p>At least one English subject is studied by all students in Year 10 during Semester 2.</p> <p>Students will be allocated to this subject by the English Curriculum Leader.</p>

LEVEL 4 CORE SUBJECT (studied in Year 10)		
Contact Person: Maree Anning		
Code: 10ENG44	Subject Name – Essential English 4-4	Length: 1 Semester

Overview	<p><i>THIS SUBJECT WILL ONLY BE OFFERED IN SEMESTER 2</i></p> <p><i>Preparation for the Workplace</i></p> <p>This subject focuses on preparing students for the workplace. Students will be engaged in real life contexts with employment agencies, the employer and the school leaver as the audiences. This course will also involve outside courses, providing students with a possible QCE point on successful completion of the course. As well as work related topics, students will also be engaged in reading and viewing for leisure.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	It is assumed that students have prior knowledge of written and spoken language skills in response to a variety of literary and non-literary texts.
Topics Studied:	<ul style="list-style-type: none"> • Reading and Viewing for Leisure • Workplace Communication • Written and Spoken skills used in the real-life workplace • communication with the employer and employment agencies.
Assessment:	Competency based assessment ongoing throughout the semester course Written Workplace Assignment
Pathways to Senior Schooling	Students studying this subject will be recommended for this English course in Semester 2, based on Semester 1 English results. Students studying this subject will be considering entering Essential English in Senior School.
Career Pathways	Students will be required to obtain a C- level grade or higher in an English subject in Years 11 and 12 in order to obtain an ATAR or QCE. Additionally, many university courses require a C- level grade or higher in Senior English or Literature subjects to gain entry into the course.

Additional fees and charges	NIL
Additional information	At least one English subject is studied by all students in Year 10 during Semester 2. Students will be allocated to this subject by the English Curriculum Leader.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Maree Anning****Code: 10IND41****Subject Name –Indonesian 4-1****Length: 1 Semester****Overview**

Indonesian, or *Bahasa Indonesia*, as it is known, is spoken by approximately 230 million people throughout Indonesian. The ties between Australia and Indonesia continue to develop, with an increasing number of Australians travelling to Indonesia, for leisure, business and education purposes. Indonesia currently has Australia's largest overseas diplomatic presence.

Why learn a second language?

Indonesian is a valuable language for Australians to learn. Studies have shown that the study of a language:

- helps students do better in all other areas of study including improved skills in reading, humanities and maths
- boosts students' overall development, including better results in standardised tests
- improves listening skills, memories, problem-solving and cognitive flexibility and skills
- enhances and widens career paths and opportunities
- improves creativity, social skills, self-esteem and sense of achievement in school
- enhances insights into another culture

Students become increasingly aware of cultural practices in ceremonies and celebrations. They participate in conversations, speeches and interviews, sometimes with preparation and sometimes spontaneously. They use modelled language to write student exchange applications, news articles, journal entries, emails, blogs, or notes for a speech or debate as an exchange student.

Prerequisites / Recommended Prior Study / Assumed Knowledge

Recommended satisfactory completion of Level 3 Indonesian in Year 9.

Topics Studied:

Students Exchange
Studying in Indonesia

Walking the Red Carpet
Film after Film

Assessment:	Portfolio of tasks including one sample of Speaking, Reading, Listening and Writing Skills.
Pathways to Senior Schooling	This subject prepares students for the Semester 2 subject, <i>Indonesian 4.1</i> and Senior Indonesian.
Career Pathways	Diplomatic Career, International Business, Linguist/Interpreter, Travel and Tourism, International Relations, Flight Attendant, Foreign Correspondent, Teacher, Defence, Journalism
Additional fees and charges	NIL
Additional information	As studying Indonesian is an ongoing developmental subject, it is recommended that students study this subject for both Semester 1 and 2.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Maree Anning****Code: 10IND42****Subject Name – Indonesian 4-2****Length: 1 Semester****Overview**

Indonesian, or *Bahasa Indonesia*, as it is known, is spoken by approximately 230 million people throughout Indonesian. Indonesia currently has Australia's largest overseas diplomatic presence. The ties between Australia and Indonesia continue to develop, with an increasing number of Australians travelling to Indonesia, for leisure, business and education purposes.

Why learn a second language?

Indonesian is a valuable language for Australians to learn. Studies have shown that the study of a language:

- helps students do better in all other areas of study including improved skills in reading, humanities and maths
- boosts students' overall development, including better results in standardised tests
- improves listening skills, memories, problem-solving and cognitive flexibility and skills
- enhances and widens career paths and opportunities
- improves creativity, social skills, self-esteem and sense of achievement in school
- enhances insights into another culture

At this level, students bring to their learning prior knowledge of the Indonesian language and culture, and a range of language learning strategies by participating individually and in groups.

Students require guidance in learning Indonesian. However, they are increasingly independent and capable of analysis and reflection, including in relation to intercultural experiences.

They participate individually and in groups in tasks and experiences, such as role plays going to the doctor or attending hospital. They participate in lifestyle presentations, debating life in the village compared to city life. They use modelled language to write for personal and public purposes, such as journal entries, emails, blogs, scripts, and notes for a speech or debate.

Prerequisites / Recommended Prior Study / Assumed Knowledge

Recommended satisfactory completion of Level 3 Indonesian

Topics Studied:

Roles and Relationships

	<p>Family, gender and work</p> <p>Let's get Social Socially connecting with peers</p>
Assessment:	Portfolio of Tasks including one sample of Speaking, Reading, Listening and Writing Skills.
Pathways to Senior Schooling	This subject prepares students for Senior Indonesian.
Career Pathways	Diplomatic Career, International Business, International Relations, Linguist/Interpreter, Travel and Tourism, Flight Attendant, Foreign Correspondent, Teacher, Defence, Journalism
Additional fees and charges	NIL
Additional information	As studying Indonesian is an ongoing developmental subject, it is recommended that students study this subject for both Semester 1 and 2.

MATHEMATICS

AVAILABLE SUBJECTS

LEVEL 4 CORE SUBJECT (studied in Year 10)		
Contact Person: Tegan Stewart		
Code: 10MAT41	Subject Name – Mathematics 4-1 – ESSENTIAL MATHEMATICS Preparation	Length: 2 Semesters

Overview	The subject matter of the three topics: number, representing data and graphs; are applied in contexts that are meaningful and of interest to students. A variety of approaches are used to achieve this engagement. Two possible contexts that may be used are: 'Mathematics of foods' and 'Mathematics of sports. Suitable contexts, relevant to the student cohort, are offered.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Assumed Knowledge: Successful completion of Year 9 Core Mathematics.
Topics Studied:	Students will undertake studies in the following QCAA topics: <ul style="list-style-type: none"> • Ratios • Rates • Percentages • Classifying data • Data presentation and interpretation • Reading and interpreting graphs • Drawing graphs • Using graphs
Assessment:	<ul style="list-style-type: none"> • Students will complete 4 Formative assessment pieces. • Students will complete 4 Summative assessment pieces.
Pathways to Senior Schooling	<p>This subject covers the elements of Unit 1 in the Essential Mathematics Course. This is the first of 4 units which are studied as part of this course. Essential Mathematics is a QCAA Applied subject</p> <p>Satisfactory completion of this Unit 1 course can contribute credit towards the Queensland Certificate of Education.</p>

Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 CORE SUBJECT (studied in Year 10)		
Contact Person: Tegan Stewart		
Code: 10MAT42	Subject Name – Mathematics 4-2 – GENERAL MATHEMATICS Preparation	Length: 2 Semesters

Overview	Consumer arithmetic reviews the concepts of rate and percentage change in the context of earning and managing money, and provides a fertile ground for the use of spreadsheets. Shape and measurement builds on the concept of similarity and problems involving simple and compound geometric shapes. Students apply these skills in a range of practical contexts, including those involving three-dimensional shapes. Linear equations and their graphs uses, linear equations and straight-line graphs, as well as piece-wise linear graphs and step graphs, to model and analyse practical situations.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Assumed Knowledge: Successful completion of Year 9 Core Mathematics.
Topics Studied:	Students will undertake studies in the following QCAA topics: <ul style="list-style-type: none"> • Applications of rates, percentages and use of spreadsheets • Pythagoras' theorem • Mensuration, Similar figures and scale factors • Linear equations • Straight-line graphs and their applications • Simultaneous linear equations and their applications • Piece-wise linear graphs and step graphs
Assessment:	<ul style="list-style-type: none"> • Students will complete 4 Formative assessment pieces. • Students will complete 4 Summative assessment pieces.
Pathways to Senior Schooling	<p>This subject covers the elements of Unit 1 in the General Mathematics Course. This is the first of 4 units which are studied as part of this course. General Mathematics is a QCAA General Course which can contribute to an ATAR at the end of Year 12 if Units 2, 3 and 4 are completed throughout the Senior years of schooling and the internal and external assessment requirements are met.</p> <p>Satisfactory completion of this Unit 1 course can contribute credit towards the Queensland Certificate of Education.</p>

<p>Career Pathways</p>	<p>Students will be required to obtain a C- level grade or higher in a Mathematics subject in Years 11 and 12 to obtain a QCE. Additionally, many university courses require a C- level grade or higher in General Senior Mathematics subjects to gain entry to the course.</p> <p>A course of study in General Mathematics can establish a basis for further education and employment in the fields of business, commerce, education, finance, IT, social science and the arts.</p>
<p>Additional fees and charges</p>	<p>NIL</p>
<p>Additional information</p>	<p>NIL</p>

LEVEL 4 CORE SUBJECT (studied in Year 10)		
Contact Person: Tegan Stewart		
Code: 10MAT43	Subject Name – Mathematics 4-3 - MATHEMATICAL METHODS Preparation	Length: 2 Semesters

Overview	Arithmetic and geometric sequences are introduced and their applications are studied. Simple relationships between variable quantities are reviewed and these are used to introduce the key concepts of a function and its graph. Quadratic functions and index rules are revised. The study of inferential statistics begins in this unit with a review of the fundamentals of probability and the introduction of the concepts of conditional probability and independence. The algebraic expansion of powers of a binomial are found using the binomial theorem.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Assumed Knowledge: Successful completion of Year 9 Extension Mathematics.
Topics Studied:	Students will undertake studies in the following QCAA topics: <ul style="list-style-type: none"> • Arithmetic sequences • Functions • Review of quadratic relationships • Inverse proportions • Powers, polynomials, and graphs of relations • Language of events and sets • Review of probability, Conditional probability and independence • Binomial expansion, indices and the index laws • Arithmetic and geometric sequences and series
Assessment:	<ul style="list-style-type: none"> • Students will complete 4 Formative assessment pieces. • Students will complete 4 Summative assessment pieces.

<p>Pathways to Senior Schooling</p>	<p>This subject covers the elements of Unit 1 in the Mathematical Methods Course. This is the first of 4 units which are studied as part of this course. Mathematical Methods is a QCAA General Course which can contribute to an ATAR at the end of Year 12 if Units 2, 3 and 4 are completed throughout the Senior years of schooling and the internal and external assessment requirements are met.</p> <p>Satisfactory completion of this Unit 1 course can contribute credit towards the Queensland Certificate of Education.</p>
<p>Career Pathways</p>	<p>Students will be required to obtain a C- level grade or higher in a Mathematics subject in Years 11 and 12 to obtain a QCE. Additionally, many university courses require a C- level grade or higher in General Senior Mathematics subjects to gain entry to the course.</p> <p>A course of study in Mathematical Methods can establish a basis for further education and employment in the fields of natural and physical sciences, mathematics and science education, medical and health sciences, engineering, computer science, psychology and business.</p>
<p>Additional fees and charges</p>	<p>NIL</p>
<p>Additional information</p>	<p>NIL</p>

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Tegan Stewart		
Code: 10MAT44	Subject Name – Mathematics 4-4 – SPECIALIST MATHEMATICS	Length: 2 Semesters

Overview	Combinatorics provides techniques that are useful in many areas of mathematics, including probability and algebra. Vectors in a plane provides new perspectives for working with two-dimensional space, and serves as an introduction to techniques that will extend to three-dimensional space in Unit 3. Introduction to proof provides the opportunity to summarise and extend students' studies in deductive Euclidean geometry, and is of great benefit in the study of other topics in the course, including vectors and complex numbers.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Assumed Knowledge: Successful completion of Year 9 Extension Mathematics.
Topics Studied:	<p>Students will undertake studies in the following QCAA topics:</p> <ul style="list-style-type: none"> • The inclusion–exclusion principle for the union of two sets and three sets • Permutations (ordered arrangements), combinations (unordered selections) and the pigeon-hole principle • Representing vectors in the plane by directed line segments • Algebra of vectors in the plane • The nature of proof • Rational and irrational numbers • Circle properties and their proofs, and geometric proofs using vectors • Complex number systems • Matrices • Trigonometric functions and their applications
Assessment:	<ul style="list-style-type: none"> • Students will complete 4 Formative assessment pieces. • Students will complete 4 Summative assessment pieces.

<p>Pathways to Senior Schooling</p>	<p>This subject covers the elements of Unit 1 in the Specialist Mathematics Course. This is the first of 4 units which are studied as part of this course. Specialist Mathematics is a QCAA General Course which can contribute to an ATAR at the end of Year 12 if Units 2, 3 and 4 are completed throughout the Senior years of schooling and the internal and external assessment requirements are met.</p> <p>Satisfactory completion of this Unit 1 course can contribute credit towards the Queensland Certificate of Education.</p>
<p>Career Pathways</p>	<p>Students will be required to obtain a C- level grade or higher in a Mathematics subject in Years 11 and 12 to obtain a QCE. Additionally, many university courses require a C- level grade or higher in General Senior Mathematics subjects to gain entry to the course.</p> <p>A course of study in Specialist Mathematics can establish a basis for further education and employment in the fields of science, all branches of mathematics and statistics, computer science, medicine, engineering, finance and economics.</p>
<p>Additional fees and charges</p>	<p>NIL</p>
<p>Additional information</p>	<p>NIL</p>

HUMANITIES

AVAILABLE SUBJECTS

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)**Contact Person: Steven Crawley****Code: 10HIS41****Subject Name – Modern History 4-1****Length: 1 Semester**

Overview	HISTORY is a disciplined process of inquiry into the past that develops students' curiosity and imagination. It is organised into two interrelated strands: historical knowledge and understanding and historical inquiry and skills. Awareness of history is an essential characteristic of any society, and historical knowledge is fundamental to understanding ourselves and others.
Prerequisites / Recommended Prior Study / Assumed Knowledge	It is assumed students have prior knowledge of historical knowledge, inquiry and skills.
Topics Studied:	<ul style="list-style-type: none"> • The Modern World and Australia. • The changes during the twentieth century from 1918 to today
Assessment:	Examination – Short Response to Historical Sources Investigation – Historical Essay based on Research
Pathways to Senior Schooling	Modern History Study of Religion
Career Pathways	History, both knowledge and skills, assists careers in areas where an understanding of society is required. These could include careers in journalism, media, government, culture, archaeologist, religion, foreign affairs, defence force, teacher.
Additional fees and charges	NIL
Additional information	It would be useful to study this subject in Year 10 if students are considering studying History in Senior Schooling.

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Steven Crawley		
Code: 10HIS42	Subject Name – Modern History 4-2	Length: 1 Semester

Overview	HISTORY is a disciplined process of inquiry into the past that develops students' curiosity and imagination. It is organised into two interrelated strands: historical knowledge and understanding and historical inquiry and skills. Awareness of history is an essential characteristic of any society, and historical knowledge is fundamental to understanding ourselves and others.
Prerequisites / Recommended Prior Study / Assumed Knowledge	It is assumed students have prior knowledge of historical knowledge, inquiry and skills.
Topics Studied:	<ul style="list-style-type: none"> • Rights and Freedoms • The national experience – the ANZAC Legend
Assessment:	Examination – Short Response to Historical Sources Independent Source Investigation
Pathways to Senior Schooling	Modern History Study of Religion
Career Pathways	History, both knowledge and skills, assists careers in areas where an understanding of society is required. These could include careers in journalism, media, government, culture, archaeologist, religion, foreign affairs, defence force, teacher.
Additional fees and charges	NIL
Additional information	It would be useful to study this subject in Year 10 if students are considering studying History in Senior Schooling.

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Steven Crawley		
Code: 10GEO41	Subject Name – Geography 4-1	Length: 1 Semester

Overview	GEOGRAPHY teaches students to respond to questions in a geographically distinctive way; plan inquiries; collect, evaluate, analyse and interpret information; and suggest responses to what they have learnt. In a world of increasing global integration and international mobility, it is critical to the wellbeing and sustainability of the environment and society that young Australians develop a holistic understanding of the world. This requires deep knowledge and understanding of why the world is the way it is and the interconnections between people, places and environments over place and time.
Prerequisites / Recommended Prior Study / Assumed Knowledge	It is assumed students have prior knowledge of geographical knowledge, inquiry and skills.
Topics Studied:	Environmental change and management
Assessment:	Combination Examination Field Report
Pathways to Senior Schooling	Geography
Career Pathways	Careers that involve presenting information in graphical forms or interpreting data and in the STEM areas such as meteorology, town planning, environment science, landscape architect, logistics, farming, aid workers, risk management, retail demographer.
Additional fees and charges	NIL
Additional information	It would be useful to study this subject in Year 10 if students are considering studying Geography in Senior Schooling.

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Steven Crawley		
Code: 10GEO42	Subject Name – Geography 4-2	Length: 1 Semester

Overview	GEOGRAPHY teaches students to respond to questions in a geographically distinctive way; plan inquiries; collect, evaluate, analyse and interpret information; and suggest responses to what they have learnt. In a world of increasing global integration and international mobility, it is critical to the wellbeing and sustainability of the environment and society that young Australians develop a holistic understanding of the world. This requires deep knowledge and understanding of why the world is the way it is and the interconnections between people, places and environments over place and time.
Prerequisites / Recommended Prior Study / Assumed Knowledge	It is assumed students have prior knowledge of geographical knowledge, inquiry and skills.
Topics Studied:	Geographies of human wellbeing
Assessment:	Data report Photo Stimulus Essay
Pathways to Senior Schooling	Geography
Career Pathways	Careers that involve presenting information in graphical forms or interpreting data and in the STEM areas such as meteorology, town planning, environment science, landscape architect, logistics, farming, aid workers, risk management, retail demographer.
Additional fees and charges	NIL
Additional information	It would be useful to study this subject in Year 10 if students are considering studying Geography in Senior Schooling.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Steven Crawley****Code: 10LST41****Subject Name – Legal Studies 4-1****Length: 1 Semester**

Overview	<p>LEGAL STUDIES: Individuals and groups in Australian society are faced with many significant legal and social issues. To deal with these issues, people need to understand their legal rights and responsibilities.</p> <p>In Legal Studies, students develop an understanding of the ways in which the Queensland <i>Criminal Code</i> can affect the lives of those in our State and International Law can affect those in our country.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<ul style="list-style-type: none"> • Criminal Law • International Law (for example, whaling, human rights etc)
Assessment:	<p>Combination Examination</p> <p>Inquiry Report</p>
Pathways to Senior Schooling	Legal Studies
Career Pathways	Employment in the area of government, politics, journalism, justice and the law. Examples could include Forensic science, police, lawyer, public service, legal administrator, courthouse, prisons, social workers, specialist law - employment, environmental, sports or international, human rights.
Additional fees and charges	NIL
Additional information	It would be useful to study this subject in Year 10 if students are considering studying Legal Studies in Senior Schooling.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Steven Crawley****Code: 10LST42****Subject Name – Legal Studies 4-2****Length: 1 Semester**

Overview	<p>LEGAL STUDIES: Individuals and groups in Australian society are faced with many significant legal and social issues. To deal with these issues, people need to understand their legal rights and responsibilities.</p> <p>Students explore the nature of Civil Law, <i>citizen against citizen</i>, the duties that we have to each other and the legal consequences for breaching those duties.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<ul style="list-style-type: none"> • Tort Law – Civil Wrongs • Defamation
Assessment:	<p>Inquiry Essay</p> <p>Combination Examination</p>
Pathways to Senior Schooling	Legal Studies
Career Pathways	Employment in the area of government, politics, journalism, justice and the law. Examples could include Forensic science, police, lawyer, public service, legal administrator, courthouse, prisons, social workers, specialist law - employment, environmental, sports or international, human rights.
Additional fees and charges	NIL
Additional information	It would be useful to study this subject in Year 10 if students are considering studying Legal Studies in Senior Schooling.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Steven Crawley****Code: 10ECBUS41****Subject Name – Business 4-1****Length: 1 Semester**

Overview	<p>BUSINESS allows students to connect with a dynamic business environment. The knowledge and skills developed in Business provides students a competitive edge in the workplace as socially responsible and ethical members of the business community, and as informed citizens, employees, consumers and entrepreneurs of the future.</p> <p>Students develop an understanding of the nature of innovation and how and why businesses seek to create and maintain a competitive advantage in the market, including the global market. Students explore the affordability and considerations of moving out of home and living independently.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<ul style="list-style-type: none"> • Events Management • Reality Check – True cost of being on your own • Social Enterprise
Assessment:	<p>Business Report</p> <p>Combination Examination</p>
Pathways to Senior Schooling	<p>Senior Business – General Subject</p> <p>Certificate III Tourism – Vocational Education and Training (VET) Subject</p> <p>Diploma of Business</p>
Career Pathways	<p>Accountant, Business Owner, Personal investor, Financial Planner, Marketing, Events Management, International Business, Working in Business, Finance & Insurance industries. business management, business development, entrepreneurship, business analytics, economics, business law, accounting and finance, international business, marketing, human resources management and business information systems.</p>

Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Steven Crawley		
Code: 10ECBUS42	Subject Name –Business 4-2	Length: 1 Semester

Overview	<p>BUSINESS allows students to connect with a rapidly changing business world. The knowledge and skills developed in Business provides students a competitive edge in the workplace as socially responsible and ethical members of the business community, and as informed citizens, employees, consumers and entrepreneurs of the future.</p> <p>This a foundation course with the aim of preparing students considering studying Senior Business.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<ul style="list-style-type: none"> • Business Creations • Business Start Up
Assessment:	<p>Examination – Combination Response (Short Response and Extended Response)</p> <p>Feasibility Study</p>
Pathways to Senior Schooling	<p>Senior Business – General Subject</p> <p>Certificate III Tourism – Vocational Education and Training (VET) Subject</p> <p>Diploma of Business</p>
Career Pathways	<p>Accountant, Business Owner, Personal investor, Financial Planner, Marketing, Events Management, International Business, Working in Business, Finance & Insurance industries. business management, business development, entrepreneurship, business analytics, economics, business law, accounting and finance, international business, marketing, human resources management and business information systems.</p>

Additional fees and charges	NIL
Additional information	NIL

HEALTH & PHYSICAL EDUCATION

AVAILABLE SUBJECTS

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Paul O'Dwyer		
Code: 10HPEP41	Subject Name – Health 4-1	Length: 1 Semester

Overview	<p>The health industry is currently experiencing strong growth and is recognised as the largest industry for new employment in Australia. To prepare students for this, the elective subject of Health in Year 10 provides students with skills for a future focused, preventative health agenda.</p> <p>During this semester, students will investigate and explore a variety of health issues experienced in Australia and evaluate and propose strategies to overcome them. By using the Health Inquiry Model and Ottawa Charter as frameworks, students will develop skills to <i>define and understand</i> the health issue, <i>plan and act</i> to investigate and develop action strategies and <i>evaluate and reflect</i> on the success of these strategies and other current initiatives.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	Content builds on knowledge from previous years HPE curriculum.
Topics Studied:	<ul style="list-style-type: none"> • Explore a range of health issues in Australia including cancer, cardiovascular disease, obesity, indigenous health and mental health • Organ donation • Introduction to the Health Inquiry Model • Ottawa Charter
Assessment:	<p>Investigation – Action Research Report</p> <p>Exam</p>
Pathways to Senior Schooling	Leads into the Senior General Subject of Health
Career Pathways	Community health, social work, Health science, public health, health education, allied health, nursing and medical professions.

Additional fees and charges	NIL
Additional information	<p>Note that this is a theoretical subject.</p> <p>This subject is designed to give students an introduction to the units studied in the Senior Health course. Students wishing to do Health in Years 11 and 12 are encouraged to select to continue this course of study in Semester 2 of Year 10.</p>

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Paul O'Dwyer		
Code: 10HPEP42	Subject Name – Health 42	Length: 1 Semester

Overview	<p>Students develop their skills to plan, implement and evaluate an action strategy to advocate, mediate and enable change in relation to anxiety, body image, homelessness and drugs & alcohol in society in a range of health contexts.</p> <p>Students examine the risk factors, protective factors and data trends for each health issue. Specific resources will be investigated and applied to the issue to allow students to the develop action strategies to improve health outcomes.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	Content builds on knowledge from previous years HPE curriculum.
Topics Studied:	<ul style="list-style-type: none"> • Australian health issues • Anxiety • Body Image • Homelessness • Drugs & Alcohol in society • RE-AIM Framework
Assessment:	<p>Analytical essay</p> <p>Exam</p>
Pathways to Senior Schooling	Leads into the Senior General Subject of Health
Career Pathways	Community health, social work, Health science, public health, health education, allied health, nursing and medical professions.
Additional fees and charges	NIL

**Additional
information**

Note that this is a theoretical subject.

This subject is designed to give students an introduction to the units studied in the Senior Health Education course. Students wishing to do Health Education in Years 11 and 12 are encouraged to select this course of study in Semester 2 of Year 10.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Paul O'Dwyer****Code: 10HPE41****Subject Name – Physical Education 4-1****Length: 1 Semester**

Overview	<p>Students will explore how you learn a skill and the process one would take to become a skilled performer in an activity. They will apply the information learnt to analyse and evaluate their own performance in a selected sport.</p> <p>During Term 2, students will learn the anatomical and physiological principles and evaluate how they can influence and improve performance.</p> <p>Students also participate in a variety of physical activities designed to apply the knowledge from theoretical classes.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	<p>Content builds on knowledge from previous years HPE curriculum. Students are expected to participate in all practical elements of the course.</p>
Topics Studied:	<ul style="list-style-type: none"> • Skill Acquisition • Motor Learning • Anatomy and body systems • Badminton • Volleyball • Basketball
Assessment:	<p>Project Folio</p> <p>Exam</p>
Pathways to Senior Schooling	<p>Senior Physical Education, Sport & Recreation Studies, Health.</p>
Career Pathways	<p>Teaching, sport and exercise sciences, coaching, community involvement.</p>
Additional fees and charges	<p>NIL</p>

**Additional
information**

This elective is designed to give students an introduction to the units studied in Senior Physical Education. Students wishing to do PE in years 11 and 12 are encouraged to select this course of study in Year 10.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Paul O'Dwyer		
Code: 10HPE42	Subject Name – Physical Education 4-2	Length: 1 Semester

Overview	<p>During Term 3, students will learn to improve and evaluate their own and others performance across several principles. The topic will explore the principles of training and training methods, fitness testing, program design and sport psychology.</p> <p>In Term 4, students will explore several key societal issues in sport including social, cultural and environmental factors that act as a barrier and enabler to sport participation. Case studies will be analysed to delve into the professionalism and business side of sport, and allow the students to explore the contrasting inequality many people experience when accessing sport and physical activity.</p> <p>Students will participate in a variety of physical activities designed to apply the knowledge from theoretical classes.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	Content builds on knowledge from previous years HPE curriculum. Students are expected to participate in all practical elements of the course
Topics Studied:	<ul style="list-style-type: none"> • Sports Sociology (Sport in Society) • Improving Performance through a range of principles including training, fitness testing, program design and sport psychology • A range of physical activities including Netball, Basketball, Touch and Dance
Assessment:	<p>Research report</p> <p>In-class essay</p>
Pathways to Senior Schooling	Senior Physical Education, Sport & Recreation Studies.
Career Pathways	Teaching, sport and exercise sciences, coaching, community involvement.

Additional fees and charges	NIL
Additional information	This elective is designed to give students an introduction to the units studied in Senior Physical Education. Students wishing to do PE in years 11 and 12 are encouraged to select this course of study in Year 10.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Paul O'Dwyer, Liza Costa and Rod Kriz****Code: 10RST41****Subject Name – Recreation 4-1****Length: 1 Semester**

Overview	Students explore how to swim, survive and rescue at the beach and develop safety knowledge of beach conditions. They learn to problem solve and work in teams while developing their communication and resiliency skills.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Students must be able to confidently swim 200m non-stop in a pool. They must be willing to be physically active and participate in all activities regardless of weather conditions.
Topics Studied:	<ul style="list-style-type: none"> • Surf Survival • Leadership initiatives
Assessment:	Surf Survival – practical and theory tests. Initiative games activities.
Pathways to Senior Schooling	Introduction to Senior Sport & Recreation Applied course.
Career Pathways	Community involvement (surf clubs and sporting organisations), Surf Rescue Certificate.
Additional fees and charges	NIL
Additional information	<p>This elective is designed to give students an introduction to the units studied in Senior Sport & Recreation. Students wishing to do Sport & Recreation in Years 11 and 12 are encouraged to select this course of study in Year 10.</p> <p><i>You are required to swim unassisted in a range of water environments. Please consider this before you select this subject. Special consideration for students who cannot swim is not an option due to duty of care and risk management.</i></p>

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Paul O'Dwyer, Liza Costa and Rod Kriz****Code: 10RST42****Subject Name – Recreation 4-2****Length: 1 Semester**

Overview	Students develop navigational skills to complete various orienteering courses. They will undergo assessment for their Pool Bronze proficiency. Students will develop personal qualities such as empathy, confidence, responsibility teamwork, resilience and persistence.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Students must be able to confidently swim 200m non-stop in a pool and be willing to run through various terrains, paths, tracks and bushland. They must be willing to be physically active and participate in all activities regardless of weather conditions.
Topics Studied:	<ul style="list-style-type: none"> • Orienteering • Pool Bronze
Assessment:	<p>Orienteering – Practical and theory exams</p> <p>Pool Bronze – Practical Exam and First Aid theory exam</p>
Pathways to Senior Schooling	Introduction to Senior Sport & Recreation Applied course.
Career Pathways	Community involvement (surf clubs) ; Part time jobs – basic first aid attained; Navigation skills – Cadets
Additional fees and charges	NIL
Additional information	<p>This elective is designed to give students an introduction to the units studied in Senior Sport & Recreation. Students wishing to do Sport & Recreation in Years 11 and 12 are encouraged to select this course of study in Year 10.</p> <p><i>You are required to swim unassisted in a range of water environments. Please consider this before you select this subject. Special consideration for students who cannot swim is not an option due to duty of care and risk management.</i></p>

SCIENCE

AVAILABLE SUBJECTS

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Shaun Lendrum		
Code: 10SCI41	Subject Name – General Science 4-1	Length: 2 Semesters

Overview	This course aims to give students a taste of the three senior courses currently offered by the College. Students will study Chemistry, Physics and Biology, covering the essential components of each discipline following the Australian Curriculum.
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<p>Chemistry</p> <ul style="list-style-type: none"> • Periodic table organisation • Describing chemical reactions • Factors affecting chemical reactions <p>Physics</p> <ul style="list-style-type: none"> • Describing motion, speed, velocity and acceleration. • Newtons Laws of Motion • Comparing energy changes in different situations <p>Biology</p> <ul style="list-style-type: none"> • DNA & Cell division • Patterns of Inheritance & Mutations • Genetic diseases and disorders • Gene technology
Assessment:	<p>Assignments</p> <p>Tests</p>
Pathways to Senior Schooling	This course does give students the basic assumed knowledge necessary for the Senior Biology, Chemistry or Physics courses. However, the depth of content is superficial. This course is designed for students who are interested in Science and is a good course for those who are interested in studying a subject which covers a range of areas and keeps open a range of options for the future.

Career Pathways	The investigative skills in this course form the basis for further study in many fields. Examples include animal welfare, food technology, forensics, health and medicine, the pharmaceutical industry, recreation and tourism, research, and the resources sector.
Additional fees and charges	Nil
Additional information	<p>Students are REQUIRED TO SELECT a Science subject as their first option on their Subject Selection sheets. EXEMPTIONS TO THIS RULE will only be made if students have completed an application form to be exempt from this requirement. This form must be completed AND approved by Mr Lendrum, then attached to the Subject Selection sheet BEFORE SUBMITTING.</p> <p>Students can only complete each Science subject once in Year 10.</p>

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Shaun Lendrum		
Code: 10SCI42	Subject Name – Science – Chemistry and Physics	Length: 2 Semesters

Overview	<p>In Chemistry, students explain the basis of the periodic table and use this organiser to distinguish between elements, and use knowledge of chemical change to predict the products of chemical reactions. They explain and predict how change, including that caused by human activity, affects the sustainability of systems at a local and global level.</p> <p>In Physics, students use relationships between force, mass and acceleration to predict changes in the motion of objects. They will explore the scientific theories that explain the origin of the universe.</p> <p>Students use knowledge of scientific concepts to draw conclusions that are consistent with evidence.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<p>CHEMISTRY:</p> <ul style="list-style-type: none"> • Structure of atoms • Electron arrangement • Periodic table organisation • Reactivity of metals • Chemical reactions • Chemical equations and quantity calculations • Carbon, Nitrogen and Water Cycle • Natural change • Human Influence <p>PHYSICS:</p> <ul style="list-style-type: none"> • Describing motion, speed, velocity and acceleration. • Newtons Laws of Motion • Comparing energy changes in interactions such as car crashes, pendulums, lifting and dropping. • Using models to describe energy changes • Measurement and the Universe- light years and parsecs • The life cycle of stars • Cosmology • Big Bang Theory

Assessment:	Tests Practical reports
Pathways to Senior Schooling	This course prepares students with the assumed knowledge and investigative skills requirements for both the Senior Physics and Senior Chemistry courses. It is highly recommended that students complete this course if they intend to choose Physics and / or Chemistry in Years 11 and 12.
Career Pathways	A course of study in Chemistry can establish a basis for further education and employment in the fields of forensic science, environmental science, engineering, medicine, pharmacy and sports science. A course of study in Physics can establish a basis for further education and employment in the fields of science, engineering, medicine and technology. Students interested in careers in the field of aeronautics (such as a pilot) will benefit from studying Physics at school.
Additional fees and charges	Nil
Additional information	Students are REQUIRED TO SELECT a Science subject as their first option on their Subject Selection sheets. EXEMPTIONS TO THIS RULE will only be made if students have completed an application form to be exempt from this requirement. This form must be completed AND approved by Mr Lendrum, then attached to the Subject Selection sheet BEFORE SUBMITTING . Students can only complete each Science subject once in Year 10.

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Shaun Lendrum		
Code: 10SCI43	Subject Name – Science – Biology and Chemistry	Length: 2 Semesters

Overview	<p>In Biology, students learn about genetics and inheritance. Evolutionary theory and mechanisms of Evolution are also studied.</p> <p>In Chemistry, students explain the basis of the periodic table and use this organiser to distinguish between elements, and use knowledge of chemical change to predict the products of chemical reactions. They explain and predict how change, including that caused by human activity, affects the sustainability of systems at a local and global level.</p> <p>Students use knowledge of scientific concepts to draw conclusions that are consistent with evidence.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<p>BIOLOGY:</p> <ul style="list-style-type: none"> • DNA and Gene technology • Cell division • Mechanisms and patterns of Inheritance • Mutations • Genetic diseases and disorders • Natural selection and evolutionary theory • Mechanisms of evolution • Survival strategies <p>Evidence for evolution</p> <p>CHEMISTRY:</p> <ul style="list-style-type: none"> • Structure of atoms • Electron arrangement • Periodic table organisation • Reactivity of metals • Chemical reactions • Chemical equations and quantity calculations • Carbon, Nitrogen and Water Cycle • Natural change • Human Influence

Assessment:	Tests Practical Reports
Pathways to Senior Schooling	This course prepares students with the assumed knowledge and investigative skills requirements for the Senior Chemistry and Biology courses. It is highly recommended that students complete this course if they intend to choose Chemistry and / or Biology in Years 11 and 12.
Career Pathways	A course of study in Chemistry can establish a basis for further education and employment in the fields of forensic science, environmental science, engineering, medicine, pharmacy and sports science. A course of study in Biology can establish a basis for further education and employment in the fields of medicine, forensics, veterinary, food and marine sciences, agriculture, biotechnology, environmental rehabilitation, biosecurity, quarantine, conservation and sustainability
Additional fees and charges	NIL
Additional information	Students are REQUIRED TO SELECT a Science subject as their first option on their Subject Selection sheets. EXEMPTIONS TO THIS RULE will only be made if students have completed an application form to be exempt from this requirement. This form must be completed AND approved by Mr Lendrum, then attached to the Subject Selection sheet BEFORE SUBMITTING. Students can only complete each Science subject once in Year 10.

LEVEL 4 ELECTIVE SUBJECT (studied in Year 10)		
Contact Person: Shaun Lendrum		
Code: 10SCI42	Subject Name – Science – Physics and Biology	Length: 2 Semesters

Overview	<p>In Physics, students use relationships between force, mass and acceleration to predict changes in the motion of objects. They will explore the scientific theories that explain the origin of the universe.</p> <p>In Biology, students learn about genetics and inheritance. Evolutionary theory and mechanisms of Evolution are also studied.</p> <p>Students use knowledge of scientific concepts to draw conclusions that are consistent with evidence.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<p>PHYSICS:</p> <ul style="list-style-type: none"> • Describing motion, speed, velocity and acceleration. • Newtons Laws of Motion • Comparing energy changes in interactions such as car crashes, pendulums, lifting and dropping. • Using models to describe energy changes • Measurement and the Universe- light years and parsecs • The life cycle of stars • Cosmology • Big Bang Theory <p>BIOLOGY:</p> <ul style="list-style-type: none"> • DNA • Cell division • Mechanisms and patterns of Inheritance • Mutations • Genetic diseases and disorders • Gene technology • Natural selection and evolutionary theory • Mechanisms of evolution • Survival strategies • Evidence for evolution

Assessment:	<p>Tests</p> <p>Assignment</p> <p>Practical report</p>
Pathways to Senior Schooling	<p>This course prepares students with the assumed knowledge and investigative skills requirements for the Senior Biology and Physics courses.</p> <p>It is highly recommended that students complete this course if they intend to choose Biology and / or Physics in Years 11 and 12.</p>
Career Pathways	<p>A course of study in Biology can establish a basis for further education and employment in the fields of medicine, forensics, veterinary, food and marine sciences, agriculture, biotechnology, environmental rehabilitation, biosecurity, quarantine, conservation and sustainability.</p> <p>A course of study in Physics can establish a basis for further education and employment in the fields of science, engineering, medicine and technology. Students interested in careers in the field of aeronautics (such as a pilot) will benefit from studying Physics at school.</p>
Additional fees and charges	NIL
Additional information	<p>Students are REQUIRED TO SELECT a Science subject as their first option on their Subject Selection sheets. EXEMPTIONS TO THIS RULE will only be made if students have completed an application form to be exempt from this requirement. This form must be completed AND approved by Mr Lendrum, then attached to the Subject Selection sheet BEFORE SUBMITTING.</p> <p>Students can only complete each Science subject once in Year 10.</p>

THE ARTS

AVAILABLE SUBJECTS

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Patrick Wilson		
Code: 10DRA41	Subject Name – Drama 4-1	Length: 1 Semester

Overview	Students will develop their skills in: negotiation, problem-solving, team building, co-operation, improvising, thinking on their feet and performance skills while learning a variety of Theatresports games. Students learn how to identify specific elements of drama in performance. They learn: scriptwriting, responding to performance and developing short student devised scenes.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Drama subject.
Topics Studied:	Improvisation, ensemble skills, the elements of drama, essay writing, analysing, scriptwriting, devising scenes
Assessment:	Theatresport games (improvisation) Group student devised performance
Pathways to Senior Schooling	Senior Drama
Career Pathways	Actor, comedian, theatre reviewer, playwright, screenwriter, drama teacher, director
Additional fees and charges	NIL
Additional information	Improvisation is a great skill to develop your ability to think on your feet. Both Theatresports games and student devised work allows students to work collaboratively and creatively.

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Patrick Wilson****Code: 10DRA43****Subject Name – Drama 4-2****Length: 1 Semester**

Overview	Students learn an introduction to directing including blocking, subtext, scene analysis, voice. Students also continue to learn acting skills: voice, motivated movement, focus and stage presence. Students also study Australian Gothic Theatre learning: script analysis, symbol, dramatic meaning in performance, acting and production technologies.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Drama subject.
Topics Studied:	Directing skills, acting skills, production technologies
Assessment:	Director's journal Directing (practical) Acting - small group Group gothic performance
Pathways to Senior Schooling	Preparation for Senior Drama
Career Pathways	Director, producer, stage manager, actor, script development, screenwriter, playwright, drama teacher
Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Patrick Wilson****Code: 10MUS41****Subject Name – Music 4-1****Length: 1 Semester**

Overview	Students have the opportunity to play and sing music of all types, to create their own compositions and to learn to listen to and understand a variety of musical styles.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Music subject.
Topics Studied:	<ul style="list-style-type: none"> • Music Variety and Types • Composing
Assessment:	<p>Continuous performance</p> <p>Composition</p> <p>Short response exam</p>
Pathways to Senior Schooling	Preparation for senior music
Career Pathways	Musician, arranger, audio technician, composer, music teacher, conductor
Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Patrick Wilson****Code: 10MUS42****Subject Name – Music 4-2****Length: 1 Semester**

Overview	They have the opportunity to play and sing music of all types, to create their own compositions and to learn to listen to and understand a variety of musical styles.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Music subject.
Topics Studied:	<ul style="list-style-type: none"> • Music Variety and Types • Composing
Assessment:	<p>Continuous performance</p> <p>Composition</p> <p>Musicology tasks</p>
Pathways to Senior Schooling	Preparation for senior music
Career Pathways	Musician, arranger, audio technician, composer, music teacher, conductor
Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Patrick Wilson		
Code: 10VARTS41	Subject Name – Visual Art 4-1	Length: 1 Semester

Overview	In the unit ' <i>The Great Pretenders</i> ' students look to the greats from art history and are inspired by their subject matter and techniques in their own artist practice. Students focus on drawing for 10 weeks and then explore painting in the second half of the Semester.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Visual Art subject.
Topics Studied:	CONTENT: Analysing artists and their artworks, analysing Art movements such as Pop, Fauvism and Expressionism (subject to change) SKILLS/TECHNIQUES: Drawing, Painting, photography, composition MEDIUMS: graphite, ink, magic markers, acrylic paint, thick and thin markers pens, canvas boards.
Assessment:	<ol style="list-style-type: none"> 1. Drawing Body of Work- <ul style="list-style-type: none"> • Drawing experimental Folio (3 x A3 works) • Major Drawing (A2) 2. Painting Body of Work- <ul style="list-style-type: none"> • Painting Experimental Folio (3 x A3 Works) • Major Painting on Canvas 3. Written Task
Pathways to Senior Schooling	Preparation for Senior Art
Career Pathways	Artist, Illustrator, Art Critic,
Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Patrick Wilson		
Code: 10VARTS42	Subject Name – Visual Art 4-2	Length: 1 Semester

Overview	The Unit ' <i>Journey of Transformation</i> ' introduces students to photography as an art form in itself and as a starting point for other artworks to extend from. Students learn how to take a successful photograph and how to extend its meaning through a variety of mediums.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Visual Art subject.
Topics Studied:	<p>CONTENT:</p> <ul style="list-style-type: none"> • Learning how to take creative photographs • Still-life, portraiture, landscape, capturing movement • Making images using computer, photocopier and digital camera <p>SKILLS/TECHNIQUES: Photography, Framing, Digital Manipulation, Painting, Sculpture, Printmaking</p> <p>MEDIUMS: Colour photocopies, Digital prints, watercolour, clay, lino</p>
Assessment:	<p>Body of Work-</p> <ul style="list-style-type: none"> • Photographic Folio • Watercolour Artwork (A2) • Clay Vessel of Goodness • Lino print (time permitting) <p>Written Task</p>
Pathways to Senior Schooling	Preparation for Senior Art
Career Pathways	Photography, Graphic Design, Artist
Additional fees and charges	NIL

Additional information	Whole day photography excursion in Week 3 which will provide content/resource imagery for the entirety of the Semester's work.
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LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Patrick Wilson		
Code: 10DAN41	Subject Name – Dance 4-1	Length: 1 Semester

Overview	This unit is currently being developed. Full details will be provided in a subject outline provided at the start of the course.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Dance subject.
Topics Studied:	<ul style="list-style-type: none"> • Overview of Australian dance history • Examining Ritual dance styles and techniques • Focus on Australian dance company • Appreciating live dance performance • Performing - dance repertoire
Assessment:	To be confirmed
Pathways to Senior Schooling	It is envisaged that Dance will be offered as a General Subject for the first time to students entering Year 11 in 2019.
Career Pathways	Dancer, dance teacher, performer, choreographer, animateur
Additional fees and charges	To be confirmed at the time of commencing study in this subject.
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Patrick Wilson		
Code: 10DAN42	Subject Name – Dance 4-2	Length: 1 Semester

Overview	This unit is currently being developed. Full details will be provided in a subject outline provided at the start of the course.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Dance subject.
Topics Studied:	<ul style="list-style-type: none"> • Creating a choreographic intent • Using technology creatively to enhance dance • Communicating choreographic intention through dance • Stagecraft and technical design
Assessment:	To be confirmed
Pathways to Senior Schooling	It is envisaged that Dance will be offered as a General Subject for the first time to students entering Year 11 in 2019.
Career Pathways	Dancer, dance teacher, performer, choreographer, animateur
Additional fees and charges	To be confirmed at the time of commencing study in this subject.
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Patrick Wilson****Code: 10MEDA41****Subject Name – Media Arts 4-1****Length: 1 Semester**

Overview	Students will operate a range of technologies to produce media for specific purposes, including for commercial, non-commercial, independent and artistic contexts and audiences This unit focuses on Audio development and its importance in any media outcome.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Media Arts subject.
Topics Studied:	Audio
Assessment:	1) Audio test of knowledge 2) Audio recording
Pathways to Senior Schooling	It is envisaged that either Film, Television and New Media (General Subject) or a Certificate III in Screen and Media (VET subject) will be offered for the first time to students entering Year 11 in 2019.
Career Pathways	Filmmaker, game development, animator, advertising
Additional fees and charges	TBA
Additional information	

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Patrick Wilson****Code: 10MEDA42****Subject Name – Media Arts 4-2****Length: 1 Semester**

Overview	Students will operate a range of technologies to produce media for specific purposes, including for commercial, non-commercial, independent and artistic contexts and audiences This unit focuses on the movie making and editing to create short films using the Adobe Suite.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Level 3 Media Arts subject.
Topics Studied:	Due to the fast changing nature of technology the topics of study will change year to year. Movie making, editing
Assessment:	1) News Anchor Video
Pathways to Senior Schooling	It is envisaged that either Film, Television and New Media (General Subject) or a Certificate III in Screen and Media (VET subject) will be offered for the first time to students entering Year 11 in 2019.
Career Pathways	Filmmaker, game development, animator, advertising,
Additional fees and charges	TBA
Additional information	

DESIGN TECHNOLOGY

AVAILABLE SUBJECTS

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)

Contact Person: Tim Jones

Code: 10DTEPS41	Subject Name – Design & Technologies (Engineering, Principles & Systems) 4-1 - Graphics	Length: 1 Semester
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Overview	<p>Student skills and knowledge are developed in the areas of</p> <ul style="list-style-type: none"> • Sketching • 3D Modelling • Component Drawing, Packaging and Animation • Architectural Drawing (Domestic and Commercial) • Business Graphics (Logos, Business cards and Marketing) <p>A strong emphasis will be placed on using Computer Aided Drafting (CAD) programs to produce drawings.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<ul style="list-style-type: none"> • Sketching • Production Graphics (AutoCAD, Inventor) • 2D and 3D Modelling
Assessment:	Portfolio of work
Pathways to Senior Schooling	From 2019 onwards, the Certificate III in Engineering Technical - CAD will be offered at St John's College.
Career Pathways	Architect; Engineer; Graphic Designer
Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Tim Jones		
Code: 10DTEPS42	Subject Name – Design & Technologies (Engineering, Principles & Systems) 4-2 - Graphics	Length: 1 Semester

Overview	<p>Student skills and knowledge are developed in the areas of</p> <ul style="list-style-type: none"> • Sketching • 3D Modelling • Component Drawing, Packaging and Animation • Architectural Drawing (Domestic and Commercial) • Business Graphics (Logos, Business cards and Marketing) <p>A strong emphasis will be placed on using Computer Aided Drafting (CAD) programs to produce drawings.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	NIL
Topics Studied:	<ul style="list-style-type: none"> • Built Environment (Revit Architecture) • Business Graphics (Inventor) • House design • Logos, Business Cards and Marketing
Assessment:	Portfolio of work
Pathways to Senior Schooling	From 2019 onwards, the Certificate III in Engineering Technical - CAD will be offered at St John's College.
Career Pathways	Architect; Engineer; Graphic Designer
Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Tim Jones****Code:
10DTMAT41****Subject Name – Design & Technologies
(Materials and Technologies) 4-1 – Wood****Length: 1 Semester**

Overview	Students will develop new skills and knowledge in relation to timber panels. Students will study the planning and designing of projects; the use of power tools; methods of joining timber; manufacturing processes and fastening techniques. Students will also be given the opportunity to investigate and provide solutions to design challenges. Advanced students will also be given the opportunity to develop wood turning skills.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Design & Technologies – Wood Level 3 subject.
Topics Studied:	<ul style="list-style-type: none"> • Workshop Safety • Timber furniture design & construction • Timber joinery • Painting preparation and finish.
Assessment:	<ul style="list-style-type: none"> • Students will be required to complete online safety tests. • Most assessment will be conducted during class due to the practical nature of the subject. • Students will also be assessed on their completed projects.
Pathways to Senior Schooling	This course provides students with an introduction to the following senior subjects: <ul style="list-style-type: none"> • Furnishing Skills • Engineering Skills
Career Pathways	Students are given an insight into specific fields of design and manufacture. Enabling them to make informed decisions on career choices.
Additional fees and charges	NIL

Additional information	NIL
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LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Tim Jones****Code:
10DTMAT42****Subject Name – Design & Technologies
(Materials and Technologies) 4-1 – Wood****Length: 1 Semester**

Overview	Students will develop new skills and knowledge in relation to timber panels. Students will study the planning and designing of projects; the use of power tools; methods of joining timber; manufacturing processes and fastening techniques. Students will also be given the opportunity to investigate and provide solutions to design challenges. Advanced students will also be given the opportunity to develop wood turning skills.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Design & Technologies – Wood Level 3 subject.
Topics Studied:	<ul style="list-style-type: none"> • Workshop Safety • Timber furniture design & construction • Timber joinery • Painting preparation and finish.
Assessment:	<ul style="list-style-type: none"> • Students will be required to complete online safety tests. • Most assessment will be conducted during class due to the practical nature of the subject. • Students will also be assessed on their completed projects.
Pathways to Senior Schooling	This course provides students with an introduction to the following senior subjects: <ul style="list-style-type: none"> • Furnishing Skills • Engineering Skills
Career Pathways	Students are given an insight into specific fields of design and manufacture. Enabling them to make informed decisions on career choices.
Additional fees and charges	NIL

Additional information	NIL
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LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Tim Jones****Code: 10DTENG41****Subject Name – Design & Technologies
(Engineering and Materials) 4-1 – Metal****Length: 1 Semester**

Overview	Students will develop new skills and knowledge in relation to sheet metal. Students will study the planning and designing of projects; the use of power tools; methods of welding steel; manufacturing processes and fastening techniques. Students will also be given the opportunity to investigate and provide solutions to design challenges. Advanced students will also be given the opportunity to develop metal turning skills.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Design & Technologies - Metal Level 3 subject.
Topics Studied:	<ul style="list-style-type: none"> • Workshop Safety • Metal product design & Fabrication • Welding • Painting preparation and finish.
Assessment:	<ul style="list-style-type: none"> • Students will be required to complete online safety tests. • Most assessment will be conducted during class due to the practical nature of the subject. • Students will also be assessed on their completed projects.
Pathways to Senior Schooling	This course provides students with an introduction to the following senior subjects: <ul style="list-style-type: none"> • Furnishing Skills • Engineering Skills
Career Pathways	Students are given an insight into specific fields of design and manufacture. Enabling them to make informed decisions on career choices.
Additional fees and charges	NIL

Additional information	NIL
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LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Tim Jones****Code: 10DTENG42****Subject Name – Design & Technologies
(Engineering and Materials) 4-2 – Metal****Length: 1 Semester**

Overview	Students will develop new skills and knowledge in relation to sheet metal. Students will study the planning and designing of projects; the use of power tools; methods of welding steel; manufacturing processes and fastening techniques. Students will also be given the opportunity to investigate and provide solutions to design challenges. Advanced students will also be given the opportunity to develop metal turning skills.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Satisfactory completion of a Design & Technologies - Metal Level 3 subject.
Topics Studied:	<ul style="list-style-type: none"> • Workshop Safety • Metal product design & Fabrication • Welding • Painting preparation and finish.
Assessment:	<ul style="list-style-type: none"> • Students will be required to complete online safety tests. • Most assessment will be conducted during class due to the practical nature of the subject. • Students will also be assessed on their completed projects.
Pathways to Senior Schooling	This course provides students with an introduction to the following senior subjects; <ul style="list-style-type: none"> • Furnishing Skills • Engineering Skills
Career Pathways	Students are given an insight into specific fields of design and manufacture. Enabling them to make informed decisions on career choices.
Additional fees and charges	NIL

Additional information	NIL
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DIGITAL TECHNOLOGY

AVAILABLE SUBJECTS

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Shaun Lendrum****Code: 10DIGTEC41****Subject Name – Digital Technologies 4-1****Length: 1 Semester**

Overview	When defining problems students consider the functional and non-functional requirements of a solution through interacting with clients and regularly reviewing processes. They consolidate their algorithmic design skills to incorporate testing and review, and further develop their understanding of the user experience to incorporate a wider variety of user needs. Students develop modular solutions to complex problems using an object-oriented programming language where appropriate, and evaluate their solutions and existing information systems based on a broad set of criteria including connections to existing policies and their enterprise potential
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Year 8 Digital Technologies.
Topics Studied:	Advanced coding and programming using languages other than block coding.
Assessment:	Digital Folio Coding project
Pathways to Senior Schooling	<ul style="list-style-type: none"> • Certificate III in Information, Digital Media and Technology (available through external organisations)
Career Pathways	Web designer, Games developer, IT technician, programmer, database developer, IT educator
Additional fees and charges	NIL
Additional information	NIL

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Shaun Lendrum****Code: 10DIGTEC42****Subject Name – Digital Technologies 4-2****Length: 1 Semester**

Overview	Students consider the privacy and security implications of how data are used and controlled, and suggest how policies and practices can be improved to ensure the sustainability and safety of information systems. Students progressively become more skilled at identifying the steps involved in planning solutions and developing detailed plans that are mindful of risks and sustainability requirements. When creating solutions, both individually and collaboratively, students comply with legal obligations, particularly with respect to the ownership of information, and when creating interactive solutions for sharing in online environments.
Prerequisites / Recommended Prior Study / Assumed Knowledge	Recommended: Year 8 Digital Technologies.
Topics Studied:	<ul style="list-style-type: none"> • Website/App design/development • Cybersafety policies and procedures
Assessment:	Digital folio Coding project
Pathways to Senior Schooling	<ul style="list-style-type: none"> • Certificate III in Information, Digital Media and Technology (available through external organisations)
Career Pathways	Web designer, Games developer, IT technician, programmer, database developer, IT educator
Additional fees and charges	NIL
Additional information	NIL

FOOD TECHNOLOGY AND HOSPITALITY

AVAILABLE SUBJECTS

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Narelle Persich		
Code: 10DTFS41	Subject Name – Design & Technologies – Food Specialisation 4-1	Length: 1 Semester

Overview	<p>Food chemistry</p> <p>The course comprises both practical and theoretical components. Learning focuses on food safety and hygiene; functional and chemical properties of food and the analysis of how these characteristics and properties of food determine preparation techniques and presentation when designing solutions.</p> <p>Students will be conducting sensory assessment testing and experiment of a range of foods to determine how these characteristics might be used to enhance food solutions, and prototypes.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	<p>Recommended: Satisfactory completion of a Level 3 Design & Technologies – Food Specialisation course.</p> <p>Prerequisites: Consistent organisation of ingredients in Design & Technologies – Food Specialisation Levels 1, 2 and / or 3 courses.</p>
Topics Studied:	<ul style="list-style-type: none"> • Food safety and hygiene • Kitchen equipment • Properties of food, including gelatinisation, enzymatic browning, aeration, coagulation and emulsion. • Designing food items • Mastering food qualities and properties <ul style="list-style-type: none"> • Cheesemaking including Ricotta, Camembert, Cream cheese, Cottage cheese - Pasteurisation - Homogenisation • Functional, nutritional and sensory properties of milk and cheese
Assessment:	<p>Exam</p> <p>Design project folio.</p>

<p>Pathways to Senior Schooling</p>	<p>The course is a pathway to:</p> <ul style="list-style-type: none"> • Food and Nutrition QCAA General Subject • Hospitality Practices Applied Subject
<p>Career Pathways</p>	<p>Consumer scientist, Dietitian, Environmental health officer, Food critic, Food technologist, Health promotion officer, Home economist, Nutritionist, Winemaker, Food processing technician, Cheesemaker, Chef, confectioner, Diet supervisor, Dietary aide, Baker, Food processing technician, Caterer, Cook, Delicatessen, Assistant Dietary aide, Fast food sales assistant, Food process worker, Fruit and vegetable picker, Hospital food service manager, Kitchenhand, Meat processing worker, Seafood processor, Seafood sales assistant, Ship's catering attendant, Weight loss counsellor, Winery worker, Pastry cook, Primary products inspector, Smallgoods maker Bar attendant, Brewery worker.</p>
<p>Additional fees and charges</p>	<p>Nil</p>
<p>Additional information</p>	<p>Nil</p>

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Narelle Persich		
Code: 10DTFS42	Subject Name – Design & Technologies – Food Specialisation 4-2	Length: 1 Semester
Overview	<p>Nutrition for the future</p> <p>The course comprises both practical and theoretical components. Learning focuses on food safety and hygiene, examining the relationship between food preparation techniques and the impact on nutrient value, Preparing and presenting foods using a range of techniques to ensure optimum nutrient content, flavour, texture and visual appeal, designing and producing healthy food for individuals and families.</p>	
Prerequisites / Recommended Prior Study / Assumed Knowledge	<p>Recommended: Satisfactory completion of a Level 3 Design & Technologies – Food Specialisation course.</p> <p>Prerequisites: Consistent organisation of ingredients in Design & Technologies – Food Specialisation Levels 1, 2 and / or 3 courses.</p>	
Topics Studied:	<ul style="list-style-type: none"> • Hygiene and safety • Eating for good health • The Australian Dietary Guidelines and Guide to Healthy Eating • Sources of energy <ul style="list-style-type: none"> - Fats (monounsaturated, saturated and trans fats) - Sugar - Carbohydrates (Glycaemic Index) • 'Gut' health and fermentation • Calcium • Fibre • Individual dietary needs <ul style="list-style-type: none"> - Food allergies - Hypersensitivity - Coeliac - Vegetarianism and Veganism • Lifestyle diseases <ul style="list-style-type: none"> - Obesity - Cardiovascular disease - Diabetes - Osteoporosis 	

Assessment:	Exam Design project folio.
Pathways to Senior Schooling	The course is a pathway to <ul style="list-style-type: none"> • Food and Nutrition QCAA General Subject • Hospitality Practices Applied Subject
Career Pathways	Consumer scientist, Dietitian, Environmental health officer, Food critic, Food technologist, Health promotion officer, Home economist, Nutritionist, Winemaker, Food processing technician, Cheesemaker, Chef, confectioner, Diet supervisor, Dietary aide, Baker, Food processing technician, Pastry cook, Primary products inspector, Smallgoods maker Bar attendant, Brewery worker, Caterer, Cook, delicatessen, assistant Dietary aide, Fast food sales assistant, Food process worker, Fruit and vegetable picker, Hospital food service manager, Kitchenhand, Meat processing worker, Seafood processor, Seafood sales assistant, Ship's catering attendant, Weight loss counsellor, Winery worker,
Additional fees and charges	Nil
Additional information	Nil

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)**Contact Person: Narelle Persich****Code: 10HST41****Subject Name – Hospitality Studies 4-1****Length: 1 Semester**

Overview	<p>Café culture</p> <p>The course comprises both practical and theoretical components. The theory comprises information about hygiene, safety and café culture. The practical component includes the use of the espresso machine and the cooking of food regularly served at coffee shops.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	<p>Recommended: Satisfactory completion of a Level 3 Design & Technologies – Food Specialisation course.</p> <p>Prerequisites: Consistent organisation of ingredients in Design & Technologies – Food Specialisation Levels 1, 2 and / or 3 courses.</p>
Topics Studied:	<ul style="list-style-type: none"> • Hygiene • Safety • Types and service of coffee including espresso, mocha, cappuccino, latte, flat white, Ristretto/ Piccolo, Long/ Short Macchiato • Types of food normally served in coffee shops • How to use the espresso machine and coffee grinder • How to clean and maintain the machine and the coffee grinder.
Assessment:	<p>Assessment comprises practical, and written tasks including preparation and organisation of a coffee shop event.</p>
Pathways to Senior Schooling	<p>The course is a pathway to</p> <ul style="list-style-type: none"> • Food and Nutrition QCAA General Subject • Hospitality Practices Applied Subject
Career Pathways	<p>Barista, Caterer, Cook, Chef, fast food sales assistant, Events coordinator, Kitchen hand, Ships catering attendant, Waiter, Baker, Club manager, Bar attendant, Sommelier, Pastry cook, Maître d, Hotel manager, Motel manager</p>

Additional fees and charges	Nil
Additional information	Nil

LEVEL 4 ELECTIVE SUBJECT (generally studied in Year 10)		
Contact Person: Narelle Persich		
Code: 10HST42	Subject Name – Hospitality Studies 4-2	Length: 1 Semester

Overview	<p>Event management</p> <p>The course comprises both practical and theoretical components. The theory comprises information on safety, working with others in order to prepare for an event, The practical component includes the cooking of food regularly served at a variety of take away pop up events.</p>
Prerequisites / Recommended Prior Study / Assumed Knowledge	<p>Recommended: Satisfactory completion of a Level 3 Design & Technologies – Food Specialisation course.</p> <p>Prerequisites: Consistent organisation of ingredients in Design & Technologies – Food Specialisation Levels 1, 2 and, or 3 courses.</p>
Topics Studied:	<p style="text-align: center;">:</p> <ul style="list-style-type: none"> • Hygiene • Safety • Work effectively with others • Preparation and use of equipment for simple and take away dishes • Variety of foods available at different take away stores. • Design food that is suitable for take away event
Assessment:	<p>Assessment comprises practical, and written tasks including preparation and organisation of a take away event.</p>
Pathways to Senior Schooling	<p>The course is a pathway to</p> <ul style="list-style-type: none"> • Food and Nutrition QCAA General Subject • SAS Hospitality Practices
Career Pathways	<p>Barista, Caterer, Cook, Chef, fast food sales assistant, Events coordinator, Kitchen hand, Ships catering attendant, Waiter, Baker, Club manager, Bar attendant, Sommelier, Pastry cook, Maitre d, Hotel manager, Motel manager</p>

Additional fees and charges	Nil
Additional information	Nil

