Dear Parent/Carer

Year 10 curriculum 2015
This booklet is designed for students and parents and contains important information and advice that should be considered carefully before making subject choices for Year 10. The Year 10 curriculum is designed to provide structure and support to assist students in working through a wide variety of subjects in preparation for Year 11 studies.

The core subjects, with the exception of Religion which is based on the Brisbane Catholic Education Religious Education Guidelines, are based on the Australian Curriculum.

Year 10 provides the unique opportunity to sample a range of subjects with clear links to Senior subjects identified in order to assist in the subject selection process for Year 11 and 12 and reduces the risk of multiple subject changes during those years. It should be noted that there is no requirement to complete any subject other than Japanese in Year 10 as a prerequisite for Year 11 and 12 studies. However, there are particular subjects where the preparatory subject is strongly recommended and they are designed to ensure students are equipped for success in Year 11 and 12.

Ultimately, the Year 10 curriculum is designed to provide opportunities for students to consolidate their learning especially in the areas of literacy and numeracy; to undertake foundation studies for Years 11 and 12 and enhance opportunities for attainment of the Queensland Certificate of Education and the highest possible results for each of their subjects at the end of Year 12.

Through a varied and engaging curriculum we are committed to creating multiple pathways for our students. The opportunities which are presented for our Year 10 students allows them to achieve in a range of subjects which will contribute to the successful completion of their secondary schooling. The future of our students depends on their ability to achieve appropriate qualifications to match their aspirations and to continue learning through their lives.

Planning a course of study

In Year 10 course structure is:
- Religious Education – each semester
- English – each semester
- Mathematics – each semester
- Science – each semester with specialisation in Term 4
- Physical Education – one semester
- History – one semester
- Two electives per semester
- Enrichment program – including career education, subject choice preparation, time management, study habits throughout the year

In Years 11 and 12 subjects are designated as ‘Authority’ subjects or ‘Authority Registered’ subjects.

Authority subjects:
In Years 11/12, subjects that are Authority subjects contribute to the calculation of an OP which is currently used for university entrance. Students requiring an OP at the end of Year 12 will need to study a minimum of 5 authority subjects in Years 11 and 12. Authority subjects are academic in their nature requiring intensive learning and assessment each semester. Authority subjects contribute to the awarding of a Queensland Certificate of Education. These subjects have the highest level of academic challenge.
Authority Registered Subjects
Authority registered subjects do not contribute to an OP. However, these subjects do contribute to a selection rank which may currently be used for tertiary entrance for a limited range of courses. These subjects are designed to cater for special interests within certain industry areas. These subjects are more practical and career related. Authority Registered subjects contribute to the awarding of a Queensland Certificate of Education at the end of Year 12.

Selecting Subjects in Year 10
For each subject outline there is information as to which Senior subject this subject leads into. Whether that subject is Authority or Authority Registered is indicated. Students who are intending on going to university at the end of Year 10 are advised to study subjects in Year 10 which lead to Authority subjects in Senior.

Students that are not going to university at the end of Year 12 are advised to select electives which are related to careers they are interested in or general areas of interest. If a subject in Year 10 only leads to Authority subjects in Senior they need to be aware that these subjects may have less emphasis on practical work and are more academically challenging even in Year 10.

Subject offerings
A full range of subjects will be offered, however, there can be no guarantees that all will actually run. As always, we can only offer subjects if there are sufficient students electing to take on the subject.

Carole Hardy
Assistant to the Principal (Curriculum)

Graham Meertens
Principal
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Core Subjects

Advanced Religious Education or Religious Education

Advanced English or General English

Advanced Mathematics or General Mathematics

Science

Physical Education

History
**Subject: Advanced Religious Education**

**Links to Senior Subject(s):**
This subject links to the senior subject Study of Religion (Authority Subject).

**Course Overview**
The Advanced Religious Education course will give students an experience of formal study in religion. This course will enable students to deepen their understanding of:

- Religious Voice in the World
- Responding to the Sign of the Times
- Making Amends, Moving Forward
- The Mystery of God

These four units will address issues of Beliefs, Sacred Texts, Church and Christian Life across both Christianity and World Religions. The delivery of the course and the assessment will assist students in preparing for the Year 11/12 Study of Religion OP course, develop their skills in higher order thinking skills as well as enhance their research skills.

**Assessment**
A range of assessment techniques will be used – research assignment, multimodal, response to stimulus and an ethnographical study – as major assessment items and as folio items. The students will also learn how to develop a research journal to demonstrate an inquiry method of learning.

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**Subject: Religious Education**

**Links to Senior Subject(s):**
This subject links to the senior subject Religion and Ethics (Authority Registered Subject).

**Course Overview**
Religion and Ethics will focus upon topics which explore the place of religion in society in a less complex way than is offered in the Study of Religion. Students explore their learning through practical tasks and an application of understanding to creatively develop responses to religious concepts.

The topics that will be addressed:

- Religious Voice in the World
- Responding to the Sign of the Times
- Making Amends, Moving Forward
- The Mystery of God

**Assessment**
The assessment will be a folio of work where students complete a number of activities over the term to demonstrate the skills of learning required in this course.
**Subject: Advanced English**

**Links to Senior Subject(s):**
This subject links to the senior subject English (Authority Subject).

**Course Overview**
The English curriculum is developed around three interrelated strands of Language, Literature and Literacy. Together the strands focus on developing student’s knowledge, understanding and skills in listening, reading, viewing, speaking, writing and creating. Content, concepts and assessment tasks are drawn from the Australian Curriculum and will consolidate skills and concepts previously experienced.

**Unit 1: Exploring Media – Matters of Concern**
Students will engage with the print and digital medium of news and current affairs determining how the public is positioned to respond to the wide range of topics presented in the articles and news stories. Students will analyse, construct and present information, demonstrating their understanding of the way combinations of language and expression and visual elements can influence a reader’s perspective.

**Unit 2: War Poetry – Making Sense of the Madness**
Students will engage in a literary study of poetry responses to a range of key social issues. Poetry is a powerful medium to communicate emotion, voice opinions, express appreciation and come to an understanding of the world in which we live. They will use the poetry to inspire an imaginative text.

**Unit 3: The Bard on the Big Screen**
Students will engage in a literary study of one of Shakespeare’s plays investigating representation of people, places, culture and concepts. Students come to understand his dramatic craft through reading, viewing and deconstruction of traditional and contemporary stage and film productions of the play.

**Unit 4: Issues in Fiction**
Students will engage in an in-depth study of the themes and literary techniques used by the fiction writer to ‘speak’ to the reader on issues of human interest. They will evaluate the effectiveness of the engagement for the intended audience.

**Unit 5: ‘Away’ with words**
Students will engage in an in-depth study of the themes and techniques used by the travel writers. There is a wide variety of genres these writers choose from to recount their physical and emotional journeys as they travel to intriguing, captivating and sometimes dangerous places. They will analyse, construct and present information, demonstrating their understanding of the way combinations of language and expression and visual elements can influence a reader’s perspective.

**NOTE:**
All units will have language and literacy skill development embedded in the folio of responses they construct during the course of any unit.

**Assessment**

All units are folios of student responses.
The final response for each unit is:
- Unit 1: Oral presentation - Persuasive
- Unit 2: Written assignment – Imaginative
- Unit 3: Written examination – Comparative Analytical Exposition (response to play)
- Unit 4: Written examination - Analytical Exposition (response to novel)
- Unit 5: Oral Presentation - Exposition
Subject: General English

Links to Senior Subject(s):
This subject links to the senior subject English Communication (Authority Registered Subject).

Course Overview
The focus is literacy and language skills for effective participation in work, training and community, social and civic life. In this course of study students will learn a variety of strategies to develop and monitor their own learning; select and apply reading and oral strategies to comprehend and make meaning in texts; demonstrate the relationships between ideas and information in written, oral, visual or electronic texts; evaluate and communicate ideas and information in written, oral, visual or electronic modes; learn and use textual features and conventions, including vocabulary and grammatical structures.

Completion of the units marked SCL (Short Course in Literacy) will meet the requirements for the Short Course in Literacy as approved by QSA. Achievement to at least a C standard will give students one credit towards their QCE and meet minimum literacy requirements for their QCE.

Unit 1: Escape from Reality
Students engage in a study of past and contemporary film developing an understanding of the world of film, film techniques that are used for various purposes and an appreciation of the underlying messages that films convey to viewers.

Unit 2: Love a good read.
Reading novels aimed at adolescents helps students to appreciate the power of language to communicate and inform as they investigate the various ways writers present reality through fiction. Engaging with the texts will raise awareness of the range of personal and social dilemmas and situations that face adolescents and suggest approaches to these.

Unit 3: Can’t stop the Music! (SCL)
A study of popular culture and the music and video clips that define the styles and practices of their society.

Unit 4: Telling it like it is? (SCL)
Documentary, in both print and media, is often the only form of ‘education’ that many people engage with to understand the way of the world. Students will investigate the various forms of documentary texts and the ways the creators manipulate the truth to achieve particular effects and responses.

Unit 5: Cops, Spies and Private Eyes: an investigation into the crime theme in short stories. (SCL)
Students will engage with a range of short stories and narrative comics that are classified as crime fiction investigating styles, conventions, characters, playing with clues and evidence.

Unit 6: Media Madness: Getting inside your head
Using magazines as exemplars students will investigate the elements of successful advertising in a variety of mediums to manipulate our choices regarding products and services.

Assessment
Unit 1: Creating a storyboard and proposal for a new film concept in response to stimulus
Unit 2: Analytical exposition (Book Review)
Unit 3: Reflection on the effectiveness of song and video clip to shape a popular culture (Oral)
Unit 4: Writing a documentary report based on real-life situations and characters.
Unit 5: Writing and recording of their own crime short story
Unit 6: Presentation for the launch of an advertising campaign for a product or service (Oral)
**MATHEMATICS**

**Links to Senior Subject(s):**
- Advanced Mathematics links to the senior subject Mathematics B (Authority Subject).
- General Mathematics links to the senior subject Mathematics A (Authority Subject) or Prevocational Mathematics (Authority Registered).

There are two levels of Mathematics offered, Advanced Mathematics and General Mathematics. Both groups explore the same curriculum but at appropriate levels, and deliver teaching styles to best enhance your child’s Mathematics education.

- **Advanced** – study the core elements in greater depth with extension activities embedded.
- **General** – study the core elements with extension as appropriate.

The placement of students in the groups is based upon their progress during Year 9. It is expected that students who achieve at an A or B standard in year 9 would be suited to Advanced Mathematics in Year 10; however we understand that circumstances might exist such that a negotiated class placement could be made subject to class size restrictions.

These placements are continually reviewed with flexible movement between classes during the semester if progress indicates a change of level is required.

**Course Overviews**

**Semester 1 - Advanced Mathematics and General Mathematics**
Content is drawn from the Australian Curriculum Year 10 descriptors with elements from Year 10A (Advanced) included in the Advanced Mathematics course to adequately prepare students for the rigour of the more demanding senior courses.

**Unit 1: Measurement**
Students will revisit and extend the application of area, surface area and volume formulae to include composite shapes and 3-dimensional figures.

**Unit 2: Algebraic Techniques**
Students will consolidate algebraic operations with index laws, build on algebraic expansion and factorising techniques and learn operations with simple algebraic fractions.

**Unit 3: Statistics**
Students will learn measures of central tendency, measures of spread, box plots, comparing data sets and scatterplots for investigating relationships.

**Unit 4: Linear Equations**
Students will learn strategies to solve linear and simultaneous linear equations using a variety of methods. *(Advanced students will study one week of Financial Mathematics – Interest at the conclusion of this unit.)*
**Semester 2 - Advanced Mathematics**

**Unit 1: Right-angled triangles**
Students will revisit and extend the application Pythagoras’ Theorem and trigonometry to solve 3-dimensional and real-life problems. Students will learn directional bearings and their applications when solving problems.

**Unit 2: Geometry**
Students will learn formal proof techniques of geometric and angle properties associated with congruent triangles, parallel lines and circle theorems.

**Unit 3: Chance**
Students will revisit methods to determine probabilities of two and three step experiments. Students will learn conditional probabilities and odds.

**Unit 4: Surds and indices**
Students will learn operations with surds and extend their knowledge of index laws.

**Unit 5: Quadratics**
Students will learn to solve quadratic equations and apply these techniques to solving real-life situations. Students will learn to model situations with quadratic functions by graphing.

**Semester 2 - General Mathematics**

**Unit 1: Right-angled triangles**
Students will revisit and extend the application Pythagoras’ Theorem and trigonometry to solve real-life problems. Students will learn directional bearings and their applications when solving problems.

**Unit 2: Financial mathematics**
Students will learn simple and compound interest, GST and personal budgeting.

**Unit 3: Geometry**
Students will learn geometric and angle properties associated with congruent shapes and parallel lines and use these solve problems.

**Unit 4: Chance**
Students will revisit methods to determine probabilities of two and three step experiments and study real-life situations.

**Assessment**
Assessment techniques may be selected from:
- Extended modelling and problem solving tasks
- Supervised tests
- Portfolio of work
- Informal hand-in homework tasks
- Projects
- Non-written response (spoken answers to teacher, demonstration of skills)
Subject: Science

Links to Senior Subject(s):
This subject links to the senior subjects Physics (Authority Subject), Chemistry (Authority Subject), and Biology (Authority Subject).

Course Overview
Science provides an empirical way of answering interesting and important questions about the biological, physical and technological world. The knowledge it produces has proved to be a reliable basis for action in our personal, social and economic lives. Science is a dynamic, collaborative and creative human endeavour arising from our desire to make sense of our world through exploring the unknown, investigating universal mysteries, making predictions and solving problems.

Content is drawn from all areas of the Australian Curriculum Year 10 descriptors to allow students to experience the required background to progress to the relevant senior courses.

Every year 10 student will experience the three discipline units of Chemistry, Biology and Physics, via a rotation of classes in terms 1, 2 and 3. In the final term of year 10 students will then select the discipline focus (Biology, Chemistry or Physics) for the final term Extended Experimental Investigation unit, allowing students the opportunity to consolidate their ability in a specific discipline or further experience their preferential area of study.

<table>
<thead>
<tr>
<th>Unit title</th>
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<tbody>
<tr>
<td>Biology</td>
<td>• Students will investigate biodiversity, discover how genetic information is passed on to offspring, and how changes can occur within a population.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>• Students will investigate the relationship between structure and properties of materials, and the chemical reactions that occur between them.</td>
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<tr>
<td>Physics</td>
<td>• Using measurement and data, students will explain and make predictions about movement, forces and energy.</td>
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<tr>
<td>Extended Experimental Investigation</td>
<td>• Students will conduct an investigation into an area of science that they find interesting. Students will be guided in the experimental investigations in preparation for senior science.</td>
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Assessment
Assessment may include: Supervised Examinations, Extended Research Tasks and Extended Experimental Investigations.
Subject: Physical Education

Links to Senior Subject(s):
This subject links to the senior subject Physical Education (Authority Subject) and Recreation Studies (Authority Registered Subject).

Course Overview
The students learn to refine and apply strategies for maintaining a positive outlook and evaluating behavioural expectations in different leisure, social, movement and online situations. They apply health and physical activity information to be able to maintain healthy and active habits.

Units:
Units may include: Outdoor Recreation and Community, Let’s Move, Tricky Situations, How to Transfer my Skills.

Assessment
May include: Written exams, practical performances, performance reflections, folio tasks, response to stimulus, multi-modal, extended written tasks.
Subject: History

Links to Senior Subject(s):
This subject links to the senior subject Modern History (Authority Subject) and Ancient History (Authority Subject).

Course Overview
- Overview for the Modern World and Australia including the following:
  - The inter-war years between World War I and World War II, including the Treaty of Versailles and the Great Depression
- Depth Study 1: World War II (1939-45)
  - Students investigate wartime experiences through a study of World War II in depth. This includes a study, using primary sources, of the causes, events, outcome and broader impact of the battles at Kokoda as an episode in world history, and its scale and significance to Australia.
- Depth Study 2: Rights and Freedoms
  - Students investigate accounts of the past experiences of Aboriginal and Torres Strait Islander peoples who were forcibly removed from their families including how their rights and freedoms were ignored in Australia.
- Depth Study 3: the Globalising World
  - Students investigate:
    - the impact of the Vietnam war on Vietnam
    - how the communist victory in Vietnam (1975) resulted in the arrival of refugees into Australia
    - how the refugees have shaped Australian society

Assessment
- Short response exam
- Stimulus response essay exam
- Multimodal presentation
Electives

Students will study 4 electives - 2 per semester.
**ARTS**

**SUBJECT: DRAMA**

**LINKS TO SENIOR SUBJECT(s):**
This subject links to the senior subject Drama (Authority Subject).

**COURSE OVERVIEW**
In Drama, students develop their understanding of the dramatic languages, skills of performance and conventions of drama. Students explore characterisation and acting skills through small improvisations and the presentation of scripted performance. They experiment with mood and atmosphere, using devices such as contrast, juxtaposition and dramatic symbol. Students are introduced to technical theatre elements to improve the professional appearance of their performances, including stage lighting and sound.

**ASSESSMENT**
In Drama, students are assessed in various forms including scripted and improvised performance, scriptwriting, practical dramatic forming and directing, and written research and response to live theatre.

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**SUBJECT: MEDIA ARTS**

**LINKS TO SENIOR SUBJECT(s):**
This subject links to the senior subject Film, Television and New Media (Authority Subject).

**COURSE OVERVIEW**
Year 10 Media Arts explores the codes and conventions used by film makers to create meaning. Students analyse a variety of media productions, exploring how technical and symbolic codes engage an audience and construct narrative. Students develop skills in camera operation, film editing and special effects while creating their own films and media products. Media Arts is an invaluable foundation for those wanting to study Film, Television and New Media as part of their senior schooling.

**Unit 1: The Medium is the Message**
Students are introduced to media text analysis and manipulate media texts to change meaning. Skills are developed in film design and production, exploring shot framing, mise en scène, editing and camera operation.

**Unit 2: Making Movies**
Students develop more advanced skills in editing and sound design, and use special effects in the construction of short narrative genre films. Students use research of influential directors to inform their own artistic style.

**ASSESSMENT**
In Media Arts, students are assessed through a wide variety of instruments including film production, film editing, written semiotic analysis and individual research.
**Subject: Music**

**Links to Senior Subject(s):**
This subject links to the senior subject Music (Authority Subject).

**Course Overview**

**Unit: Rock Band 101**

In Music students engage in musical activities to further develop knowledge, skills and understanding about genres, rhythmic and melodic patterns, harmonic progressions, form and structure, musical timbres and expressive elements within the historical and cultural development of the units studied. They are encouraged to learn through practical performance, composition and analysis.

**Assessment**

In Music there are a range of assessment objectives. This semester the students will complete the following assessment items:

1) Composition – Reading and writing music
2) Performance – Singing and playing music
3) Analysis – Aurally and visually identifying and responding to music

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**Subject: Visual Art**

**Links to Senior Subject(s):**
This subject links to the senior subject Visual Art (Authority Subject).

**Course Overview**

**Unit 1 “Abstracting Reality” – Abstract painting**

**Unit 2 “Fire, Earth, Wind and Water” – Installation sculpture/artwork**

In Visual Art students explore a range of advanced art techniques in order to create individual artworks. Students will research and experiment with a variety of abstract painting techniques and create an installation artwork. Throughout the semester students spend time researching the work artists to assist in developing their own artworks and also to help in their written responses. Visual Art is a practical subject which advances students’ abilities and encourages them to look at the world differently. Visual Art provides a good foundation for students wanting to study Visual Art (Authority Subject) in years 11 and 12.

**Assessment**

In Visual Art there are three key foci: Application, Visual Literacy and Appraising. This semester the students will complete the following assessment items:

1) Visual Literacy – research and development of artworks
2) Application – creation of artworks and reflection on own work
3) Appraising – written response to others artworks
Subject: Japanese semester one

Links to Senior Subject(s):
This subject links to the senior subject Japanese (Authority Subject).

A strong emphasis is placed on providing a language-rich learning environment enabling students to participate in communicative and language-rich tasks in Japanese. This course must be studied for two semesters and each should be entered as separate electives on the subject choice form.

Course Overview
Topics: 1. Youth in Japan
        2. Hi-Tech Japan
        3. Weekend Pursuits

What is studied:
- Discuss pen pals/keypals and identify ways of communicating effectively in Japanese across a range of situations
- Identify popular trends in modern Japan, including Hi-tech Japan
- Communicate on topics in Japanese concerning leisure and lifestyle
- Learn how to ask permission & say you’re not allowed to do something

Assessment
Listening and Speaking Exam at the end of Term 1
Reading and Writing Exam at the end of Term 2

Subject: Japanese semester two (Authority)

Links to Senior Subject(s):
This subject links to the senior subject Japanese (Authority Subject).

Course Overview
Topics: 1. Out & about in Hiroshima
        2. Travel
        3. Career Options

What is studied:
- Focus on Hiroshima – location of famous landmarks
- Ask & provide directions
- Ask how long travel to a destination takes
- Participate in conversations about the length of travel, mode of transport & cost involved
- Ask about someone else’s plans
- Discuss work and occupations
- Future dreams
- Talk about personal skills and attributes
- Give reasons as to why you want to enter a particular field

Assessment
Listening and speaking exam at the end of Term 3
Reading and writing exam at the end of Term 4
Subject: Mathematics C

Links to Senior Subject(s):
This subject links to the senior subject Mathematics C (Authority Subject).

Minimum Requirements — At least an overall C grade in Semester One Advanced Mathematics

This subject is designed to be studied in addition to Pre-Mathematics B. It is especially suited to students demonstrating a high level of interest and ability in Mathematics. It is not considered a pre-requisite for the Senior Mathematics C course, however it will prove beneficial to students deciding to continue in this direction.

Course Overview
Content is drawn from the Australian Curriculum Year 10A (advanced) descriptors and other areas of Mathematics directed towards enhancing student’s interest and desire to immerse themselves further into the powerful world of mathematics. This elective is intended to be an ‘appetiser’ to the senior Mathematics C course and allows students to combine and build on concepts and skills already developed.

Unit 1: Historical Mathematicians
Students will undertake a research project on a historical Mathematician of their choice.

Unit 2: Logarithms
Students will learn the laws of logarithms and their applications.

Unit 3: Linear Programming
Students will learn to apply linear graphing techniques to solve optimisation problems.

Unit 4: Sequences and Series
Students will learn about arithmetic and geometric progressions and their applications.

Unit 5: Deductive Geometry
Students will learn formal proof methods and theorems associated with angles and circle properties.

Assessment
Assessment techniques may be selected from:
• Extended modelling and problem solving tasks
• Supervised tests
• Poster/oral presentations
• Informal hand-in homework tasks
Subject: ACCOUNTING

Links to Senior Subject(s):
This subject links to the senior subject Accounting (Authority Subject).

Course Overview
The study of accounting provides students with an understanding of the processes involved in using accounting information to make effective decisions. Students are encouraged to think logically, to apply accounting principles in a consistent and effective manner, and to become independent learners. The knowledge and understanding of accounting principles and practices has practical application not only to the business organisation but also to the student's personal life. This course is designed to provide students with accounting, communication and technology skills which are further developed in Senior Accounting.

Course Outline
The course is organised under four areas of study:

- Foundation Studies
- Recording and Controls
- Reporting and Decision making
- Communication and Technology

During the course, students will study:

- Principles of double-entry accounting
- Preparation of accounting records and reports
- Accounting for GST
- Computerised accounting
- Analysis of financial reports

Assessment
Theory Tests, Practical Assessment and Computer Applications
Subject: Ancient History

Links to Senior Subject(s):
This subject links to the senior subject Ancient History (Authority Subject).

Course Overview

- Unit Name: Digging up the Past
- Course Description - This semester long course examines a range of topics that relate to current historical investigation of ancient civilisations. The areas which will be covered include:
  - Archaeology in Practice: The case of Tutankhamen
  - “The World’s First Super-Heroes”: Greek Mythology
  - “It’s All Greek to Me”: Ancient Greek Civilisation
  - “Gladiator”: Entertainment in the Roman World

Assessment

- Short response exam
- Analytical essay
- Multimodal presentation
Subject: Economics and Business

Links to Senior Subject(s):
This subject links to the senior subject Business Management (Authority Subject).

Course Overview
This subject provides the opportunity for students to develop an appreciation of the issues challenging business organisations and managers locally, nationally and globally. Business practices include innovation, entrepreneurial creativity, strategic planning, management, marketing and information and communication technologies.

As part of the course, students will develop and market a small business enterprise. This venture will consolidate the business knowledge gained and also develop valuable communication, teamwork and organisational skills.

The context of business provides a realistic setting where students’ understanding of management can be developed as it applies not only to the business organisation but also to the student’s personal life.

Course Outline:
- Management Practices
- Marketing Management
- Operations Management
- Human Resource Management
- Finance Management
- Business Development

Assessment
- Short answer and response to stimuli exam
- Multimodal presentation
- Business Plan
**Subject: Geography**

**Links to Senior Subject(s):**
This subject links to the senior subject Geography (Authority Subject).

**Course Overview**

**Unit 2: Geographies of Human Wellbeing**
Students will focus on investigating global, national and local differences in human wellbeing between places. This unit examines the different concepts and measures of human wellbeing, and the causes of global differences in these measures between countries. Students explore programs designed to reduce the gap between differences in wellbeing. These distinctive aspects of human wellbeing are investigated using studies drawn from Australia, India and across the world.

**Unit 2: Environmental Change and Management**
The unit begins with an overview of the environmental functions that support all life and the major challenges to their sustainability. Students will investigate a specific type of environment and environmental change in Australia and one other country. They will apply human-environment systems thinking to understand the causes and consequences of the change and geographical concepts and methods to evaluate and select strategies to manage the change.

**Assessment**
- Practical data response exam
- Extended response exam
- Research Report

**Subject: Legal Studies**

**Links to Senior Subject(s):**
This subject links to the senior subject Legal Studies (Authority Subject).

**Course Overview**

**Crime and Punishments**
Topics:
- What is crime?
- Social change and the impact of new technologies in criminal investigations
- Causes of crime
- Role of police
- Role of courts and personnel in the justice system
- Sentencing and justice

**Assessment**
- Stimulus response exam
- Research report
- In-class essay exam
**Subject: Aquatic Practices**

**Links to Senior Subject(s):**
This subject links to the senior subjects Marine Science (Authority Subject) and Aquatic Practices (Authority Registered Subject).

**Course Overview**
**Unit:** All at Sea

**Theory Topics**
- What is a fish?
- Safe in the sea - dangerous creatures and boats
- Whales

**Practical Topics**
- Boats, bits and basics - introductory boating
- Knot a Problem – knot tying and their uses
- Get Lost - navigation basics
- Recreational fishing

**Assessment**
Includes both theory and practical components

**Theory**
A combination of exams and short assignments

**Practical**
Skills tests and integrated skills tasks
Subject: Digital Technologies

Links to Senior Subject(s):
This subject links to the senior subjects Information Technology Systems (Authority Subject) and Information and Communication Technology (Authority Registered Subject).

Course Overview

Information technology refers to the creation, manipulation, storage, retrieval and communication of information and to the range of technological devices and systems used to perform these functions. Information Processing and Technology touches many aspects of human life and finds itself drawing on and being applied to diverse fields of study such as mining, engineering, education or business. As a result, the study of this subject will contribute in a significant way to the general education of students, whether or not they intend proceeding to employment specific to information technology.

Units:
1. Game Programming: animation, scripting for events and behaviours using Flash.
2. Web Design: creation of web pages including a variety of multimedia elements and interaction. Learning about design of Human-Computer Interfaces and Social and Ethical Issues are integrated into both topics.

Assessment

Students will be assessed using a range of techniques including supervised assessments and projects.

Subject: Engineering Technology

Links to Senior Subject(s):
This subject links to the senior subject Engineering (Authority Subject).

Course Overview

In Engineering Technology students use technologies knowledge and creative thinking to produce designed solutions to identified needs. Students work both independently and collaboratively, applying theoretical concepts to practical problems. Through problem-solving tasks, students develop creativity, innovation and enterprise skills. In particular, students will investigate and make judgments on how the characteristics and properties of materials are combined with force, motion and energy to create engineered solutions.

Units:

Topics will be selected from:
- Advanced Manufacturing
- Machines of War
- Avionics Engineering
- Civil and Structural Engineering

Assessment

Students will have the opportunity to design various engineered solutions to identified problems, and will evaluate and refine their design practice across defined projects.
**Subject: Food Technology**

**Links to Senior Subject(s):**
This subject links to the senior subjects Home Economics (Authority Subject) and Hospitality (Authority Registered Subject).

**Course Overview**
This subject aims to develop students' knowledge, skills and understanding of the importance of food in ensuring the wellbeing of all Australians. Students learn to evaluate food choices in a range of contexts. Students will collaborate to generate novel ideas for contemporary, nutritious food products and design and produce food suitable for specific projects such as a ‘Burger Bar’ and a ‘Best Recipes’ digital recipe collection.

**Topics covered:**
- Food in Australia
- Food selection and health
- Food product development
- Recipes for success

**Assessment**
Students are assessed in two design projects.

‘Burger Bar’ Students collaborate to design and produce an original, healthy burger and detail their design thinking in an annotated production plan.

‘Best Recipes’ Students create a digital recipe collection.

*NOTE: Students may choose to study Food Technology and Hospitality.*

**Subject: Graphics**

**Links to Senior Subject(s):**
This subject links to the senior subject Graphics (Authority Subject).

**Course Overview**

**Unit: 3D Engineering and Architectural CAD**
Computer-aided design (CAD) software is used to increase the productivity of a designer, improve the quality of design, improve communications through documentation and to create a database for manufacturing.

In this unit students will use Inventor, AutoCAD and Revit to assist in the creation, modification, analysis or optimisation of a design. These powerful programs are predominately used in engineering and architectural firms around the world.

Other industries that rely on CAD are the building and construction trades. These trades rely heavily on CAD generated drawings in their everyday operations. It’s for this reason that they hold students with CAD ability in high regard and see the value of employees with such skills.

Students who select Graphics will generate:
- 3D rendered objects
- Elevations
- Perspective views
- Floor plans
- Site plans
- Engineering drawings
- 3D Printer Artefacts

**Assessment**
Students will be using Computer Aided Design techniques to produce a folio of work that demonstrates the ability to generate and comprehend graphics concepts.
**SUBJECT: HOSPITALITY**

**LINKS TO SENIOR SUBJECT(s):**
This subject links to the senior subjects Hospitality (Authority Registered Subject).

**COURSE OVERVIEW**

**Unit: A FESTIVAL OF FOOD**
This subject enables students to develop skills in food and beverage production and service. They work as individuals and as part of teams to plan and implement an event in a hospitality context. The course is designed to provide students with a variety of practical skills which are further developed in Year 11 and Year 12 Hospitality.

**Key topics covered:**
- Food production, presentation and service
- Basic beverage service
- Customer service
- Designing, planning and testing menus
- Event planning and service

**ASSESSMENT**
Students will be assessed using a range of written and practical techniques:
1. ‘Food Festival’ Project
2. Continuous Practical Assessment
3. Multimodal

*NOTE: Students may choose to study Hospitality and Food Technology*

**SUBJECT: INDUSTRIAL TECHNOLOGY AND DESIGN**

**LINKS TO SENIOR SUBJECT(s):**
This subject links to the senior subjects Industrial Technology Studies (Authority Registered Subject) and Certificates in Furniture Making and Engineering (VET Subjects through the Trade Training Centre).

**COURSE OVERVIEW**

**Unit: Skills for Industry**
Students are introduced to basic skills used in industry and will be working with wood, metal and CAD.

Students will be using a variety of hand and power tools and some industrial machinery (under close supervision) to make a series of projects designed to teach assembly techniques, simple welding methods and other industrial applications.

Projects will be modern and involve the use of a range of materials.

Students will also learn about workplace health and safety requirements, characteristics of a range of timbers and metals, care of tools and machinery, as well as using Inventor (CAD) and similar drawing programs to produce drawings.

**ASSESSMENT**
Practical work
Theory test
Subject: Textiles Technology

Links to Senior Subject(s):
This subject links to the senior subjects Home Economics (Authority Subject) and Fashion (Authority Registered Subject).

Course Overview

Unit: Fantastic furnishings

How can you use your skills with textiles to create fantastic interiors? Does your bedroom need a revamp? How can you make a comfortable space for relaxing in your lounge room?

Students will learn about textiles and textile design and how they can be used to solve interior design challenges. They will develop a variety of practical skills to create a range of soft furnishings.

Unit: Looking Great

Do you love clothes and fashion? How can you look great on a budget? How can you develop the skills you need with textiles to make great looking clothes?

Students will learn about the fashion industry including fashion design, fashion technology, fashion merchandising and fashion sales, personal styling, costume design, production, manufacture, merchandising, and retail.

Through undertaking this course students will be challenged to use their imagination to create, innovate and express themselves and their ideas, and to design and produce design solutions in a range of fashion and furnishing contexts. They explore contemporary and historical fashion culture; learn to identify, understand and interpret fashion trends; and examine how the needs of different markets are met.

Textiles Technology has a practical focus where students learn through doing as they engage in a design process to plan, generate and produce fashion items. Through the design process students engage in design challenges while meeting the needs of clients, or develop products to suit design opportunities.

Assessment

Students will be assessed using a range of written/spoken and practical techniques including: Projects eg develop and construct two fashion items that are representative of your own design aesthetic and demonstrates a relationship to a modern designer (written and product components) Investigations eg investigate how interior design experts experts have used various textiles to enhance interiors (multimodal) Product eg Construct a new article of clothing for your Winter Wonderland Wardrobe 2015.

Costs

Students are required to purchase their own fabrics and other textiles products, patterns, threads/buttons/zips/dyes etc and drawing materials. A basic sewing kit of scissors, quick un pick, tape measure and pins is required.