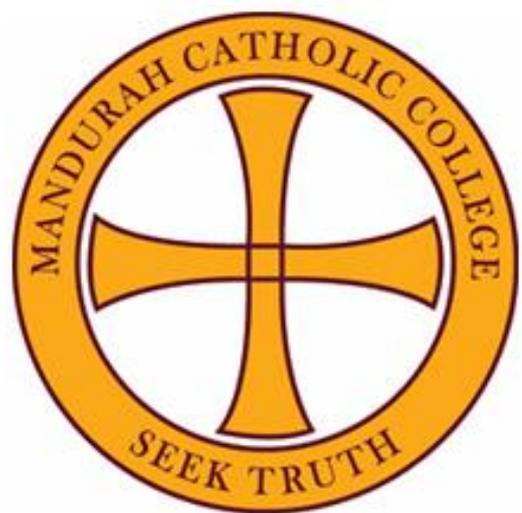


**YEAR 12
CURRICULUM
FOR PROSPECTIVE
STUDENTS
2017**



**MANDURAH
CATHOLIC
COLLEGE**

**UNDER THE PATRONAGE OF
THE HOLY FAMILY**

MANDURAH CATHOLIC COLLEGE

YEAR 12 - 2017

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FOREWORD

Students moving into Year 12 are embarking on the final leg of their schooling journey. Year 12 is a very exciting time where, like Year 11, students have crafted a pathway that prepares them for beyond school destinations. Our most senior students are entering into a very mature learning environment where the partnership in learning with teachers approaches much like that found in university, TAFE and training. Year 12 is also a shorter period and requires students to enter the year having reflected on both their strengths and challenges in learning that will ultimately lead them to their goals.

The Year 12 experience, like all other years, is underpinned by an approach that supports health and wellbeing. There are opportunities for a student to exercise leadership; maintain or develop involvement in Christian Service Learning, Sport or Cultural pursuits and develop the skills to maintain positive emotions and relationships. We aim to assist young adults to transition beyond school with a healthy work-life balance. The students continue to receive the support they require in planning and consolidating career pathways.

The Year 12 Curriculum Handbook is designed to assist you and your son or daughter with any refinement that is needed to their study program for the Year 12 experience. It is most thorough in providing you with the necessary information you need for understanding subjects on offer for 2017. Please take the time to study the booklet and make contact with the relevant staff member should you need more assistance.

I look forward to continuing the MCC learning journey with your daughter or son.

Mr Andrew Watson
PRINCIPAL

COMMUNITY SERVICE PROGRAM

Community Service was introduced to Mandurah Catholic College in 2007 and it is an expectation that all Mandurah Catholic College students complete a minimum of 20 hours of Christian Service Learning (volunteer work) in the community over their senior years.

Christian Service Learning provides opportunities for young people to give something back to the community while developing the values, skills and understandings needed to contribute to civic wellbeing. It will enable students to address many of the core shared values outlined in the National Curriculum and the normal Christian values of the Gospel.

Community Service is defined as:

'Activities undertaken for the benefit of individuals and/or community for no financial reward'

Community service may be initiated by the parents, student or school, or any combination of these. The service may be provided:

- Out of school time – through a non-profit community organisation
- Individually or collaboratively
- Through one or multiple activities
- Over one or more years

The College provides insurance for the students while they complete their Christian service learning (providing they register their service with the College Community Service Coordinator beforehand.)

RECORDING HOURS:

A log book, provided by the College, is the official record of a student's Christian Service Learning. The Logbook is the student's record of their Christian Service Learning work and is their responsibility to maintain, keep it safe and to hand in the logbook to get the hours recorded by the College. Students who change schools before they have completed 20 hours of Community Service should take their Logbook as a record to their hours of the new school.

For more information please contact the Director of Ministry.

CONTACTS

The following staff are available to give more detailed information to enable your son/daughter to select the subject offerings best suited to their aspirations and abilities.

Principal	Mr Andrew Watson
Deputy of Teaching and Learning	Mr Paschal McCarthy
Head of Religious Education	Mr Richard Sellwood
Co-ordinator of the Arts (Drama)	Mrs Joanne Hennessy
Co-ordinator of the Arts (Visual Arts)	Mr Peter Martin
Head of English	Mrs Deborah Kluczniak
Head of Health & Physical Education	Mr Matthew Ritikis
Head of Mathematics	Mr Peter Jaeckel
Head of Music	Mr Adrian Doyle
Head of Science	Mr Andrew Proctor
Head of Social Science	Mrs Karen Hall
Head of Technology & Enterprise	Mr Ian Pemberton
Head of Vocational Programmes	Mrs Michelle Lucas
Careers Counsellor	Mrs Lynn Wilson
Timetabling Co-ordinator	Mrs Sonia Stephenson
Head of Year 10 (Year 11, 2017)	Mrs Michelle O'Neill
Head of Year 11 (Year 12, 2017)	Mrs Louise Merry
Head of Year 12 (Year 10, 2017)	Mr Matthew Edwards

SCHOOL CURRICULUM AND STANDARDS AUTHORITY AWARDS

This information is about awards that are available to Year 12 students. Students are encouraged to keep them in mind as they set goals for 2017.

BEAZLEY MEDAL - ATAR

This is awarded to the top student in Western Australia as determined by the WACE award score used to decide General Exhibitions.

BEAZLEY MEDAL - VET

This is awarded for excellence in studies that include training qualifications and School Curriculum and Standards Authority courses. It is awarded to the student who has achieved the most outstanding performance in a Vet Certificate II or higher and in their other WACE achievements.

GENERAL EXHIBITIONS - ATAR

Forty awards, known as General Exhibitions, are awarded to the eligible students who obtain the highest WACE award score which is based on the average of five ATAR courses scaled marks, calculated to two decimal places. There must be at least two subjects from List A and two subjects from List B.

VET EXHIBITIONS

A VET Exhibition may be awarded to the eligible student who has demonstrated the most outstanding performance in an AQF VET Certificate II or higher and in their other course achievements.

COURSE EXHIBITIONS - ATAR

A Course Exhibition may be awarded to the eligible student obtaining the highest ATAR examination mark for each ATAR course, provided that at least 100 students sat the examination.

CERTIFICATES OF EXCELLENCE - ATAR

Certificates of Excellence are awarded to eligible students who are in the top 0.5 percent of candidates in each ATAR course examination or the top two candidates (whichever is the greater.)

CERTIFICATES OF EXCELLENCE - VET

Certificates of Excellence are awarded to eligible Year 12 students who are in the top 0.5 percent of candidates to compete an AQF VET Certificate II or higher in one of the 13 training package industry areas. The units of competency achieved must have been undertaken in VET industry specific courses or other VET programs.

CERTIFICATES OF DISTINCTION

Certificates of Distinction recognise student achievement in the WACE. Awards are based solely on grades awarded to students by their school. A certificate of distinction requires students to obtain 190 – 200 points across 20 units, with points allocated for achievement of A and B grades. Further details can be found in the WACE Handbook.

CERTIFICATES OF MERIT

Certificates of Merit recognise student achievement in the WACE. Awards are based solely on grades awarded to students by their school. A certificate of Merit requires students to obtain 150 – 189 points across 20 units, with points allocated for achievement of A and B grades and completion of Certificate II or higher. Further details can be found in the WACE handbook.

Full details of all awards and criteria are available from the School Curriculum and Standards Authority website. <http://www.scsa.wa.edu.au/>

MANDURAH CATHOLIC COLLEGE AWARDS

THE CHRISTIAN LEADERSHIP AWARD

This is awarded to a Senior School student who has been an active participant in all areas of the College's faith life. They are exceptional role models for their faith and are publicly involved in masses, liturgies and other programs within the College.

THE COMMUNITY SERVICE LEADERSHIP AWARD

This is awarded to a Senior School student who is involved not only in the life of the College but also within the wider community. This student shows in their commitment to others, an understanding of the real meaning of Christian Service.

THE SPORTS LEADERSHIP AWARD

This is awarded to a student who is active in the many varied areas of the sports program within the College. This award acknowledges a high standard of athletic ability as well as a commitment to represent the College, be a role model for younger students and excel in Inter-School Competitions.

THE CULTURAL LEADERSHIP AWARD

This is awarded to a student who has demonstrated excellence and leadership skills in cultural pursuits within the College. This award acknowledges a high standard of artistic talent as well as a commitment to represent the College, be a role model for younger students and excel in the performing or visual arts.

THE STUDENT LEADERSHIP AWARD

This is awarded to an outstanding student leader within the College who has shown his or her self to be a positive role model to all other students in their enthusiasm and ability to inspire and involve others.

THE PRINCIPAL'S AWARD FOR LEADERSHIP

This is awarded to a student who has shown exceptional leadership qualities and commitment to their role within the College.

THE MCC DUX – VET AWARD

This is awarded to a Year 12 student who gains top marks in all their VET subjects during Year 12.

THE MCC DUX – ATAR AWARD

This is awarded to the Year 12 student who achieves the best overall performance in Year 12 in their ATAR subjects.

THE HOLY FAMILY MEDAL

This is the most prestigious award at the College. The nominees for this award are judged on their performance throughout their secondary schooling. This award is given to a student who completes Year 12 whilst applying his or her self consistently and with maximum effort in all their subjects. Academic excellence is not an essential criterion, although working towards excellence is. This student must also have excellent results in Religious Education. As well as this they must be someone who is consistently involved in at least two areas of either cultural, ministry or sport within the College. This medal also rewards community and parish involvement and positive leadership.

WACE GRADUATION REQUIREMENTS

The School Curriculum and Standards Authority (SCSA) sets out requirements for graduation, ie, achieving a Western Australian Certificate of Education (WACE). These can be found in the *draft WACE Manual 2015-16*, available at <http://www.scsa.wa.edu.au/>. In response to these requirements, the College sets the following guidelines for all students to adhere when selecting subjects for Year 12.

LITERACY AND NUMERACY MINIMUM STANDARDS

Students need to demonstrate achievement of these minimum standards through Year 9 NAPLAN testing and/or Online Literacy and Numeracy Assessment (OLNA) testing to obtain a WACE. Where students have not yet achieved one or more components of the literacy (reading and writing) or numeracy standards, the College may provide specific additional opportunities to assist.

GENERAL REQUIREMENTS

- **Students choose six (6) subjects for Year 12.** Combined with their six (6) subjects in Year 11, this provides 24 units over two years if all are completed. SCSA requires a minimum of 20 units.
- **ATAR students must choose at least four (4) ATAR subjects for Year 12.**
- **VET students will do the subject** Certificate II Skills for Work & Vocational Pathways incorporating Workplace Learning.

BREADTH AND DEPTH REQUIREMENTS

- **Students must complete one English subject** in Year 11 and 12.
- **Students must include at least one (1) List B subject.** The table below shows subjects offered at the College in Lists A and B. **Note:** Certificate subjects cannot be used to fulfil this requirement.

List A - (arts/languages/social sciences)	List B - (mathematics/science/technology)
Children, Family & Community	Accounting & Finance
Drama	Applied Information Technology
English	Biology
Literature	Chemistry
Media Production & Analysis	Design
Modern History	Food Science & Technology
Music	Human Biology
Religion & Life	Integrated Science
Visual Arts	Mathematics
	Outdoor Education
	Physical Education Studies
	Physics
	Psychology

ACHIEVEMENT STANDARD

- **Students need to achieve a minimum of 14 C grades (or equivalent) in Year 11 and Year 12 units, with at least six C grades in Year 12.** The College will closely monitor student achievement throughout Year 11 and Year 12. Students and parents will be counselled if there are concerns that a student will not achieve the required C grades.
- **VET/endorsed programs can be used to obtain unit equivalence** for a total of four units each year for Year 11 and Year 12. That is, completing a VET/endorsed program can provide a student with the equivalent of C grades. The number of C grades provided by the program varies. Details can be found at <http://www.scsa.wa.edu.au/>.

SUBJECT SELECTION PROCESS

At Mandurah Catholic College, each student chooses one of two pathways:

Vocational Education and Training (VET) Pathway	OR	ATAR Pathway
<ul style="list-style-type: none"> • This pathway provides access to employment, Training Institutes and alternative entry to university. • A total of six subjects including :- <ul style="list-style-type: none"> ○ Religion and Life General ○ English General ○ Certificate II Skills for Work & Vocational Pathways incorporating Workplace Learning • Work experience • Off-site training • Externally Set Tasks in Year 12 <p>See Page 10 for more information.</p>		<ul style="list-style-type: none"> • This pathway provides access to both university and Training Institutes • A total of six courses including Religion and Life and an English subject • External examinations in at least four subjects in Year 12 <p>See Page 12 for more information.</p>

SUBJECTS OFFERED

Subjects listed on the following pages will be offered to Year 12 students for 2017. Whilst every effort is made to enable students to continue with subjects commenced in Year 11, there may be instances where this is not possible.

SUBJECT ENTRANCE REQUIREMENTS

Pre-requisites are established for entry to Year 12 subjects. These pre-requisites are included in the subject information on pages 15 - 54 and are based on performance in Year 11 unless stated otherwise. Statistical evidence and past experience indicate that students who have not met these entrance requirements are unlikely to be successful in that subject. For most Year 12 ATAR subjects, satisfactory achievement in its corresponding Year 11 ATAR subject is a pre-requisite for enrolment. Even where it is not a formal pre-requisite it is, in all cases, highly recommended.

COLLEGE POLICY STATES:

Year 11 and 12. The College reserves the right to establish pre-requisites for entry to and standards for retention in particular subjects. Such pre-requisites and standards can be waived at the discretion of the Vice Principal after consultation with the Head of Year or Head of Department concerned.

Students are strongly advised not to enrol in any subject for which they fail to meet the pre-requisites indicated.

COURSE COUNSELLING PROCESS

Any student requiring course counselling can contact their Head of Year who can assist and refer them to the following if required:

- Head of Department
- Careers Counsellor
- Head of Vocational Programmes
- Deputy of Teaching and Learning
- Vice Principal

CAREERS INFORMATION

The Careers Counsellor provides vocational and educational guidance through Careers classes and individual counselling. The students have access to up-to-date, accurate information about job requirements and study courses as part of their classes. Students are encouraged to make plans and set goals for Years 11 and 12. This will help them to look ahead and think about what jobs or courses of study will best suit their abilities interests and personality.

VOCATIONAL EDUCATION AND TRAINING (VET) PATHWAY

This pathway is designed to provide access to Training Institutes, traineeships, apprenticeships, employment and, in some cases, alternative entry to university. The VET pathway available through the College comprises three compulsory aspects:

1. COLLEGE SUBJECTS

Students will study:

Three Compulsory subjects

- Religion and Life General
- English General
- Certificate II Skills for Work & Vocational Pathways incorporating Workplace Learning

Three elective subjects

- At least one (1) must be a General List B subject.
- Students may choose one (1) certificate subject. If they wish to choose more than one certificate subject then this must be done in consultation with the Head of Vocational Programmes.

All Year 12 students enrolled in Units 3 and 4 of a General subject must complete the Externally Set Task.

2. WORKPLACE LEARNING ENDORSED UNIT (INCORPORATING WORK EXPERIENCE)

Workplace Learning is a structured out-of-school endorsed learning program that provides students with the opportunity to develop work skills in an actual workplace, while continuing their school education. This gives students industry recognition and provides links to further education and training. Workplace learning enhances the VET pathway and is compulsory for all VET students.

3. OFF-CAMPUS TRAINING

This is offered through the range of programs outlines below:

Murdoch University TLC 110

Students complete a first year university unit and, on successful completion, may be offered a place at Murdoch University. For further details see the Head of Vocational Programmes.

School Based Traineeships

- Students will be paid and complete a Certificate II during the traineeship. Students must complete on the job training.
- The College will not seek these out; finding these will be the primary responsibility of students, parents or employers.
- Only students who have demonstrated that they possess the skills necessary to succeed with managing school life as well as a traineeship will be considered for this opportunity.

Pre Apprenticeship in Schools (PAiS)

If you are interested in an apprenticeship when you finish Year 11 or 12, then Pre Apprenticeship in Schools (PAiS) pathway is for you. PAiS provides an introduction into apprenticeship opportunities within various trades. Employers provide training in the workplace to develop skills which complement the training.

VET in Schools

Vocational Education and Training for Schools (VETfS) Pathways program are the perfect introduction into the world of work. Students combine their Year 11 or 12 studies with a Vocational Education and Training (VET) program, enabling them to get real hands-on experience, learn practical skills and gain insight into the needs of their chosen industry. Success in your VETfS Pathway Program may lead to employment and/or provide a pathway to further education.

Training providers

- Challenger Institute
- Central Institute
- Polytechnic West Institute
- Other specialist training institutes

All information on certificate courses is available on the College website and Training Institute websites. These are updated regularly.

Benefits of participating in VETfS pathways program

- Points towards achieving your WACE
- Develop your work, employability and life skills
- Head start in nationally recognised qualifications
- Help increase your self-esteem, confidence and communication skills
- Improves your employment prospects
- Opportunity to gain higher level qualifications to assist entry into University
- Realistic understanding of industry expectations

Responsibilities

Students undertaking VET courses must be responsible for:

- Attending all scheduled training days
- Completing VET Certificate courses at Training Institutes as appropriate
- Completing all assignments and work placement projects
- Recording and managing their learning on relevant documentation
- Maintaining satisfactory results in all subjects at school
- Achieving an acceptable standard in their chosen courses

ENROLMENT PROCEDURE for the VET PROGRAMME

- Students are responsible for enrolment in Off-campus training. Applications can be collected from the VET office. **Applications for Courses close in August.**
- An application form for Workplace Learning is to be completed at the beginning of Term 3.
- Students should have an exemplary attendance and behaviour record, a positive attitude towards school and be motivated to learn in a variety of situations.
- Students undergo a formal interview in Term 4 to ensure they are mature and motivated to succeed in an adult working environment.

Further information may be obtained by contacting the Head of Vocational Programmes, Mrs Michelle Lucas, at lucas.michelle@cathednet.wa.edu.au

ATAR PATHWAY

This pathway is designed for students who wish to gain direct access into university. The admission requirements for the four public universities in Western Australia are as follows:

- **Secondary Graduation (WACE)**
- **Competence in English**

A scaled mark of at least 50 in Year 12 Units 3 and 4 English ATAR or Literature ATAR. Edith Cowan University will accept a 'C' grade or higher if the scaled mark of 50 is not attained. There are also supplementary tests held in January for students who have not yet achieved competence.

- **Achievement of Sufficient Australian Tertiary Admissions Rank (ATAR)**

The Australian Tertiary Admissions Rank (ATAR) is a number between 0 and 99.95 that indicates the student's rank in the state, 99.95 being the most able.

- **Pre-requisites for Some University Courses**

Please refer to the *University Admission 2018* booklet or go to www.tisc.edu.au for details of specific entrance requirements for individual university courses.

The University of Notre Dame has a different selection process for entry into their courses. Please go to www.nd.edu.au for details.

UNACCEPTABLE SUBJECT COMBINATIONS

Certain subject combinations are not acceptable in relation to the calculation of the ATAR. Both subjects may be taken but the result in only one may be used to calculate an ATAR. A full list of unacceptable combinations can be found in the *University Admission 2018* booklet.

EXTERNAL ASSESSMENTS

All Year 12 students enrolled in Units 3 and 4 of an ATAR subject must sit the external examination.

HOW AN ATAR IS CALCULATED

The final mark awarded in each WACE examination subject for a given student is a combination of the student's Year 12 school mark and their WACE examination mark, with each being weighed equally. The student's best four scaled marks in Year 12 ATAR subjects are then used to calculate a Tertiary Entrance Aggregate (TEA). This enables students to be ranked and allocated an ATAR.

To ensure fairness across years and across all schools, the following statistical processes are applied:

- **Moderation**

The school mark is adjusted so that differences in marking standards between schools are accounted for. The students' performance on the external examination is used to regulate this procedure.

- **Standardisation**

The moderated school mark is "standardized" so that the spread of students' marks throughout the state in each subject is the same from year to year. This procedure is also applied to the raw examination marks, thereby eliminating the influence of varying difficulty in examination papers in a given subject from year to year.

- **Scaling**

The 50:50 combined mark (already moderated and standardized) is then "scaled" to account for the varying difficulty between courses. A complex mathematical procedure that looks at students' marks in all courses across the state is used to determine the degree of scaling for each course.

Further information can be found in the *University Admission 2018* booklet and at www.tisc.edu.au

SUBJECTS OFFERED AT YEAR 12 IN 2017

Compulsory Subjects

Religious Education subjects

Religion & Life General	15
Religion & Life ATAR	16

VET subjects

English General	17
Certificate II Skills for Work & Vocational Pathways incorporating Workplace Learning ..	18

ATAR subjects

English ATAR.....	19
Literature ATAR	20

Elective subjects primarily designed for entrance to Training Institutes or Employment

Applied Information Technology General.....	22
Children, Family and the Community General	23
Certificate II Creative Industries (Media).....	24
Drama General	25
Certificate II Engineering (Pathways).....	26
Food Science and Technology General	27
Integrated Science General.....	28
Mathematics Essentials.....	29
Music General.....	30
Outdoor Education General	31
Physical Education Studies General.....	32
Visual Arts General.....	33
Certificate II Visual Arts (Wood focus)	34

Elective subjects designed for preparation for University entrance (ATAR)

Accounting and Finance ATAR.....	36
Biology ATAR.....	37
Chemistry ATAR.....	38
Design ATAR	39
Drama ATAR	40
Human Biology ATAR	41
Mathematics Applications	42
Mathematics Methods	43
Mathematics Specialist	44
Media Production and Analysis ATAR	45
Modern History ATAR	46
Music ATAR.....	47
Outdoor Education ATAR.....	48
Physical Education Studies ATAR.....	49
Physics ATAR.....	50
Psychology ATAR.....	51
Visual Arts ATAR.....	52

COMPULSORY SUBJECTS

RELIGION AND LIFE – GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR. It is compulsory for Vocational Education & Training (VET) students.

PRE-REQUISITES

None

COURSE OUTLINE

Unit 3

The focus for this unit is **religion and lifestyles**. Students explore the choices people make to live different lifestyles and how religion influences the way they live their chosen lifestyles. They examine the lives of people who have made life choices based on religious ideals. Students outline how religion has formed the beliefs and values of these people to follow particular directions in their lives. They investigate the different ways people choose to live their lives and other key influences on lifestyle choices in a society such as Australia. Students describe how religion offers guidance for the different lifestyle choices people make. They establish what guidance, structures and teachings religion offers people in their lifestyle choices. They collect and draw on source documents on religion and society to make conclusions about the role of religion in influencing lifestyle choices.

Unit 4

The focus for this unit is **religion and decision-making**. The unit investigates responsible decision-making in society from a religious perspective. Students identify how religion influences moral decision-making and investigate what norms, regulations and structures are offered by religion to assist people to make decisions that are in the best interests of the whole of society. The unit explores the sorts of decisions that people in a society such as Australia need to make in order to be a just society. Students identify issues that affect Australian society. They develop skills needed to research ideas and attitudes prevalent in the society and evaluate the impact of religion in providing just responses.

ASSESSMENT OUTLINE

Investigation	30%
Explanation	30%
Source Analysis	25%
Externally Set Task	15%

RELIGION AND LIFE - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

Successful completion of Religion and Life ATAR Units 1 and 2

COURSE OUTLINE

Unit 3

The focus for this unit is **connection and challenge in religion**. This unit examines the historical context of religion over time and explores opportunities and challenges that exist in the future for religion. The purpose of this unit is to make connections between past, present and future experiences of religion and understandings of the interplay between religion and life.

The unit explores the connections and challenges that arise for individuals and societies from the interplay over time between religion and life. Using a variety of sources students examine the role of religion in societies and in particular, Australian society.

The unit analyses the impact of changes on society and how these changes shape ways that individuals and groups interact with religion, and how religion responds and adapts to change. Students develop research questions about how society, individuals and religion interact. They create, expand or modify their understandings of religion and how religion responds to current questions and concerns.

Unit 4

The focus for this unit is **freedom and religion**. This unit explores the human desire to become responsible and free and examines religious understandings of freedom and how religion responds to issues that arise. The range of ideas, values and attitudes that exist in society are examined by exploring possible sources of influence on people and how they live within societies, particularly in Australian society. Students also analyse and assess the development and consequences of trends in society and the effects these trends may have on people and their desire to be free.

ASSESSMENT OUTLINE

Response Exposition	20-40%
Investigation	20-40%
Response Analysis	20-40%
Examination	30%

ENGLISH - GENERAL

This subject is compulsory for Vocational Education & Training students (not available for ATAR students).

PRE-REQUISITES

Completion of English General or ATAR Units 1 and 2

COURSE OUTLINE

This course is designed for students following a VET pathway who are not intending to make direct entry to university through ATAR. It focuses on consolidating and refining the skills and knowledge needed by students to become competent, confident and engaged users of English in everyday, community, social, further education, training and workplace contexts. The English General course is designed to provide students with the skills that will empower them to succeed in a wide range of post-secondary pathways.

Unit 3

Unit 3 focuses on exploring different perspectives presented in a range of texts and contexts. Students:

- explore attitudes, text structures and language features to understand a text's meaning and purpose
- examine relationships between context, purpose and audience in different language modes and types of texts, and their impact on meaning
- consider how perspectives and values are presented in texts to influence specific audiences
- develop and justify their own interpretations when responding to texts
- learn how to communicate logically, persuasively and imaginatively in different contexts, for different purposes, using a variety of types of texts.

Unit 4

Unit 4 focuses on community, local or global issues and ideas presented in texts and on developing students reasoned responses to them. Students:

- explore how ideas, attitudes and values are presented by synthesising information from a range of sources to develop independent perspectives
- analyse the ways in which authors influence and position audiences
- investigate differing perspectives and develop reasoned responses to these in a range of text forms for a variety of audiences
- construct and clearly express coherent, logical and sustained arguments and demonstrate an understanding of purpose, audience and context
- consider intended purpose and audience response when creating their own persuasive, analytical, imaginative, and interpretive texts.

ASSESSMENT OUTLINE

Responding	40%
Creating	45%
Externally Set Task	15%

CERTIFICATE II SKILLS FOR WORK AND VOCATIONAL PATHWAYS and WORKPLACE LEARNING

This subject is compulsory for Vocational Education & Training students (not available for ATAR students).

PRE-REQUISITES

Students must complete an application form in Term 3. Interviews are conducted in Term 4. Students must have a positive attitude to learning and to school. They will need to be willing to accept the challenge of being an independent learner.

COURSE OUTLINE

Certificate II in Skills for Work and Vocational Pathways

This qualification is designed for individuals who require further foundation skills development to prepare for workforce entry or vocational training pathways.

It is suitable for individuals who require:

- a pathway to employment or vocational training
- reading, writing, numeracy, oral communication and learning skills at Australian Core Skills Framework (ACSF) Level 3
- entry level digital literacy and employability skills
- a vocational training and employment plan.

Workplace Learning

Workplace Learning is a SCSA endorsed program. To complete this endorsed program, a student works in one or more real workplaces to develop a set of transferable workplace skills. The student must record the number of hours completed and the tasks undertaken in the workplace in the *Workplace Learning Logbook*. They must also provide evidence of their knowledge and understanding of the workplace skills by completing the *Workplace Learning Skills Journal* after each 55 hours completed in the workplace. This programme has been designed primarily for students wishing to gain Institute entry or direct entry to the work force.

On the Job Training: Students spend one day per week in the workplace. The subject Workplace Learning is completed through assessment in the workplace. Students have a choice of the vocational area they would like to pursue.

Off the Job Training: Students will complete VET units at Mandurah Catholic College and other institutions. This gives them both an understanding of how Institutes operate and the opportunity to complete VET Units / Modules that contribute to Secondary Graduation.

ASSESSMENT OUTLINE

Students must demonstrate achievement of all skills from the Employability Skills List.

ADDITIONAL SUBJECT LEVY This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.

Note: *Most students will complete courses provided by external Institutes. Whilst these courses can be expensive, the cost of the vast majority and the administration will be covered by the College.*

ENGLISH - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 60% in English ATAR Units 1 and 2

SUGGESTED BACKGROUND

A high level of competency in written essays and an ability to comprehend sophisticated texts. Those students who read regularly will adapt more easily to the reading requirements of this course. A wide contextual knowledge base of national and world issues is also necessary.

COURSE OUTLINE

Unit 3

Students explore representations of themes, issues, ideas and concepts through a comparison of texts. They analyse and compare the relationships between language, genre and contexts, comparing texts within and/or across different genres and different processes of communication (modes). Students recognise and analyse the conventions of genre in texts and consider how those conventions may assist interpretation. Students compare and evaluate the effect of different media, forms and modes on the structure of texts and how audiences respond to them. Understanding of these concepts is demonstrated through the creation of imaginative, interpretive, persuasive and analytical responses.

Unit 4

Students examine different interpretations and perspectives to develop further their knowledge and analysis of purpose and style. They challenge perspectives, values and attitudes in texts, developing and testing their own interpretations through debate and argument. Through close study of texts, students explore relationships between content and structure, voice and perspectives and the text and context. This provides the opportunity for students to extend their experience of language and of texts and explore their ideas through their own reading and viewing. Students demonstrate understanding of the texts studied through creation of imaginative, interpretive, persuasive and analytical responses.

ASSESSMENT OUTLINE

Responding	35%
Creating	35%
Examinations	30%

EXCURSIONS/INCURSIONS/ CAMPS

English students will need to attend one incursion on the analysis of still images. The approximate cost of this incursion is \$25. This incursion is linked to an assessment and is compulsory. There is also an excursion to Curtin University for the English and Literature Conference to hear from lecturers who create and mark the WACE English exam. The approximate cost for this excursion is \$55.

LITERATURE – ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 65% in Year 11 ATAR Literature

COURSE OUTLINE

The Literature ATAR course focuses on the study of literary texts and developing students as independent, innovative and creative learners and thinkers who appreciate the aesthetic use of language; evaluate perspectives and evidence; and challenge ideas and interpretations. In this subject, students actively participate in the dialogue of literary analysis and the creation of imaginative and analytical texts in a range of modes, media and forms.

Unit 3

Unit 3 develops students' knowledge and understanding of the relationship between language, culture and identity in literary texts. Students inquire into the power of language to represent ideas, events and people, comparing these across a range of texts, contexts, modes and forms. Through critical analysis and evaluation, the values and attitudes represented in and through texts and their impact on the reader are examined. Throughout the unit, students create analytical responses that are characterised by a confident, engaging style and informed observation. In creating imaginative texts, students experiment with language, adapt forms and challenge conventions and ideas.

Unit 4

Unit 4 develops students' appreciation of the significance of literary study through close critical analysis of literary texts drawn from a range of forms, genres and styles. Students reflect upon the creative use of language, and the structural and stylistic features that shape meaning and influence response. The unit focuses on the dynamic nature of literary interpretation and considers the insights texts offer, their use of literary conventions and aesthetic appeal. Analytical responses demonstrate increasing independence in interpreting texts and synthesising a range of perspectives into critical and imaginative responses. In creating imaginative texts, students experiment with literary conventions and reflect on how the created text takes into account the expectations of audiences.

ASSESSMENT OUTLINE

Extended Written Response	15%
Short Written Response	35%
Creative production of literary texts	10%
Oral	10%
Examination	30%

EXCURSIONS/INCURSIONS/ CAMPS

There is an excursion to Curtin University for the English and Literature Conference to hear from lecturers who create and mark the WACE Literature exam. The approximate cost of this excursion is \$55.

ELECTIVE SUBJECTS

**Primarily Designed for Entrance to
Training Institutes or Employment**

APPLIED INFORMATION TECHNOLOGY - GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND Year 11 Applied Information Technology General Units 1 and 2

COURSE OUTLINE

The syllabus is designed to develop from the Year 11 course and the cognitive complexity of the course increases into Year 12.

Students will study content including the following topics:

- Design Concepts
- Managing Data
- Hardware
- Networks
- Impacts of Technology
- Application Skills
- Project Management

Unit 3 – Media Information

The emphasis of this unit is on the use of digital technologies to create and manipulate digital media. Students use a range of applications to create visual and audio communications. They examine trends in digital media transmissions and the implications arising from the use of these technologies.

Unit 4 – Digital Technologies in Business

The emphasis of this unit is on the skills, principles and practices associated with various types of documents and communications. Students identify the components and configuration of networks to meet the needs of a business. Students design digital solutions for clients, being mindful of the various impacts of technologies within legal, ethical and social boundaries

ASSESSMENT OUTLINE

Project	50%
Short Answer	20%
Extended Answer	15%
Externally Set Task	15%

CHILDREN, FAMILY AND THE COMMUNITY - GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND Children, Family and the Community General Units 1 and 2

COURSE OUTLINE

This course focuses on factors that influence human development and the wellbeing of individuals, families and communities.

Through the study of developmental theories, students will develop an understanding of human growth and the domains of development. They will develop an appreciation of how the creation of environments promote optimal growth and development of individuals, families and communities and how they affect and influence society as a whole. Students will communicate and interact with children, families and community groups in practical ways.

This course caters for students seeking career pathways in areas such as education, nursing, community services, childcare and health.

ASSESSMENT OUTLINE

Investigation	25%
Production	50%
Response	10%
Externally Set Task	15%

CERTIFICATE II CREATIVE INDUSTRIES (MEDIA)

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND A high level of interest in studying and creating media texts

COURSE OUTLINE This course will introduce students to all the exciting options and opportunities that will be available in the vibrant film and television industry.

Students will learn how to use professional standard video cameras and the Adobe Premier Pro editing program to plan, produce and distribute a number of audio-visual productions for an audience. Students will also learn how to operate various computing packages and software to help create their productions. This is an excellent entry point into the media industry and leads directly into higher-level courses and training.

To ensure that students are given sufficient time to develop their own subject knowledge and practical based skills the Creative Industries (Media) Certificate II is completed over two years.

Students will complete the following units:

BSBCRT101A	Apply critical thinking techniques
CUFIND201A	Develop and apply creative arts industry knowledge
CUSOHS301A	Follow Occupational Health and Safety procedures
BSBWOR203A	Work effectively with others
CUFCAM201A	Assist with a basic camera shoot
CUFPOS201A	Perform basic vision and sound editing
BSBDE201A	Follow a creative process
ICAU2006B	Operate computing packages

ASSESSMENT OUTLINE Creative Industries (Media) Certificate II will be assessed using Competences. To achieve a full certificate, students must be passed as 'Competent' in all Units studied.

DRAMA - GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND Successful completion of Drama General Units 2 and 3 and at least a C in English General Units 1 and 2

COURSE OUTLINE

Unit 3 – Dramatic storytelling

The focus for this unit is **representational, realist drama**. Students explore techniques of characterisation through different approaches to group based text interpretation, particularly those based on the work of Stanislavski and others. In this unit, students have the opportunity to research and collaboratively workshop, interpret, perform and produce texts in forms and styles related to representational, realistic drama that educate and present perspectives.

Unit 4 – Drama performance events

The focus of this unit is **presentational, non-realist drama**. Students explore techniques of role and/or character through different approaches to group based text interpretation, particularly those based on the work of Brecht and others. In this unit, students have the opportunity to research and collaboratively workshop, interpret and perform drama texts related to presentational, non-realistic drama that challenge and question perspectives.

ASSESSMENT OUTLINE

Performances / Production	55%
Response	30%
Externally Set Task	15%

EXCURSIONS/INCURSIONS/ CAMPS

Students will participate in two excursions to see a live performance. These will be compulsory class events and are formally assessed. Students studying Drama at a Year 12 level are expected to attend a compulsory camp which will occur over the course of three days. The estimated cost of these events is \$285.

CERTIFICATE II ENGINEERING (PATHWAYS)

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND

Successful completion of Year 10 Materials Design Technology (Metal), full Competence in Visual Arts (Wood focus) and/or competencies achieved from studying this course in Year 11

COURSE OUTLINE

The Certificate II in Engineering Pathways qualification is appropriate for students who plan to work in Engineering or related working environment. The qualification will equip students with the knowledge and skills which will enhance their prospects of employment in an engineering or manufacturing environment, such as welding, sheet metalwork, fabrication, boiler making and mechanical fitting. The course prepares students for an apprenticeship in many trades, with competency in units being able to be used as credit towards a range of engineering and manufacturing qualifications.

The Year 12 course will build on the students own subject knowledge and practical based skills that they developed while studying the Certificate II in Engineering Pathways in Year 11. During Year 12 students will manufacture two products, a boat anchor and a fire pit. During the production of these projects students learn about and develop their skills with electric welding techniques, using hand and power tools.

ASSESSMENT OUTLINE

The minimum requirement for achievement of the Certificate II in Engineering Pathways is the completion of 12 Units of Competency. Students will study four (4) Compulsory Core Units and eight (8) Elective Units

Students who started the Certificate in Year 11 will have already started 10 out of the 12 units of competency, with 5 of these being completed in Year 11, and 5 being completed in Year 12 along with the remaining two units. Units studied will include using Electric Welding Machinery, Apply Principles of OHS in the Working Environment and Use Fabrication Equipment.

To achieve a full certificate, students must be passed as 'Competent' in all Core and Elective units studied. Students who study this course in Year 12 only will be awarded all Units passed as Competent.

ADDITIONAL SUBJECT LEVY

This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.

FOOD SCIENCE AND TECHNOLOGY - GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND Food Science and Technology General Units 1 and 2

COURSE OUTLINE

In this course students will further develop their interests and skills through the design, production and management of food related tasks.

They will extend their knowledge of food properties and explore innovations in science and technology and changing consumer demands. This knowledge will enable students to connect with further education and training and enhances employability and career opportunities in the areas such as nutrition, health, community services and hospitality.

ASSESSMENT OUTLINE

Investigations	30%
Production	40%
Response	15%
Externally set test	15%

ADDITIONAL SUBJECT LEVY

This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.

INTEGRATED SCIENCE - GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND

Successful completion of Integrated Science Units 1 & 2 and a proven ability to work on long term individual or group tasks/ projects

COURSE OUTLINE

This course enables students to investigate science issues in the context of the world around them. It encourages students to develop their scientific skills of curiosity, observation, collection and analysis of evidence, in a range of contexts.

The multidisciplinary approach includes aspects of biology, chemistry, geology and physics. Students conduct practical investigations that encourage them to apply what they have learnt to real-world situations and systems.

Possible contexts which may be used for the teaching of the key concepts in Unit 3 are:

- local ecosystem studies
- wetland ecology
- marine ecology
- aquaculture
- viticulture
- horticulture

Possible contexts which may be used for the teaching of the key concepts in Unit 4 are:

- vehicles and drivers
- rocketry
- water
- kitchen chemistry
- cosmetics

ASSESSMENT OUTLINE

Tests	15%
Practical Work	40%
Extended Answers	30%
Externally Set Task	15%

EXCURSIONS/INCURSIONS/ CAMPS

Students may participate in an excursion to AQWA.

The estimated cost of this event is \$50. A final costing will be calculated closer to the event.

MATHEMATICS ESSENTIALS

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND

Successful completion of Mathematics Essentials Units 1 and 2

COURSE OUTLINE

UNIT 3

This unit provides students with the mathematical skills and understanding to solve problems related to measurement, scales, plans and models, drawing and interpreting graphs and data collection. Students use the mathematical thinking process and apply the statistical investigation process.

Topics in this unit - Measurement; Scales, plans and models; Graphs in practical situations; and Data collection – are explored in a context which is meaningful. Possible contexts are Construction and design, and Medicine.

The number formats for the unit are positive and negative numbers, decimals, fractions, percentages, rates, ratios, square and cubic numbers written with powers and square roots.

UNIT 4

This unit provides students with the mathematical skills and understanding to solve problems related to probability, earth geometry and time zones, loans and compound interest. Students use the mathematical thinking process and apply the statistical investigation process to solve problems involving probability.

Topics in this unit - Probability and relative frequencies; Earth geometry and time zones; and Loans and compound interest – are explored in a context which is meaningful. Possible contexts are Finance, and Travel.

The number formats for the unit are positive and negative numbers, decimals, fractions, percentages, rates, ratios and numbers expressed with integer powers.

ASSESSMENT OUTLINE

Responses (Tests)	40%
Practical applications and Statistical Investigation process	45%
Externally Set Task	15%

MUSIC GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND Music General in Year 11

COURSE OUTLINE

This course encourages students to explore a range of musical experiences, developing their musical skills and understanding, and creative and expressive potential, through a selected musical context. The course consists of a practical component in addition to a written component incorporating

- Aural and Theory,
- Composing and arranging
- Investigation and analysis

The Aural and Theory content in the written component is generic, and can be adapted and extended to suit any selected context. The practical component consists of three different options and can be delivered in a different context, independent of the written component. Students select only one option, and can choose to perform on an instrument or voice, submit a composition portfolio, or complete a production/practical project.

The course provides opportunities for creative expression, the development of aesthetic appreciation, and understanding and respect for music and music practices across different times, places, cultures and contexts. Students listen, compose, perform and analyse music, developing skills to confidently engage with a diverse array of musical experiences both independently and collaboratively. Studying music may also provide a pathway for further training and employment in a range of professions within the music industry.

ASSESSMENT OUTLINE

Performance tasks	40%
Written tasks	60%

EXCURSIONS/INCURSIONS/ CAMPS

Students may participate in excursions and an incursion during the course of the year. These are compulsory, however, are not formally assessed. Students are required to attend these excursions to gain a greater appreciation of the Arts subject that they are studying. The estimated cost of these events is \$70. A final costing will be calculated closer to the events.

ADDITIONAL SUBJECT LEVY

This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.

OUTDOOR EDUCATION - GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND

Outdoor Education General Units 1 and 2

COURSE OUTLINE

Unit 3 description – Building confidence in the outdoors

Students understand planning and organisational requirements necessary for them to participate in safe, short-duration excursions/expeditions. They participate in outdoor adventure activities where they develop and improve their technical skills, apply appropriate practices to ensure safe participation, and begin to develop survival skills. Students develop personal skills related to flexibility in coping and adapting to change and in monitoring such things as the elements in an environment, or the participation of individuals in activities and expeditions. Features and relationships in natural environments are examined. Weather components, patterns and forecasting are introduced. Students develop a greater understanding of human interactions with nature, past and present. Sustainability is introduced and local issues are examined.

Unit 4 description – Outdoor leadership

Students consider planning and organisational requirements necessary for them to participate in positive and safe, short-duration excursions/expeditions in selected outdoor activities. They engage in outdoor activities where they develop and improve their technical skills and apply appropriate practices to ensure safe participation. They continue to develop navigational skills and respond to an emergency in the outdoors. Students focus on developing commitment, tolerance, resilience and conflict resolution skills. They lead briefing and debriefing sessions and appraise their own and others' leadership skills. Students continue to forecast weather and apply strategies to minimise human impact on natural environments. They explore sustainability projects and understand human responsibility for the environment.

ASSESSMENT OUTLINE

Investigation	15 %
Performance 1 (Practical Skills Assessment)	30 %
Performance 2 (Expedition performance)	20 %
Response (Expedition journal)	20 %
Externally Set Task	15 %

EXCURSIONS/INCURSIONS/ CAMPS

Students will participate in at least a single day excursion and a five day expedition in a natural environment. These are compulsory and formally assessed. Failure to demonstrate adequate preparedness prior to these expeditions may result in a student's removal from the expedition and will affect assessment results. These excursions will cost approximately \$500 which includes all transport, activities and excursions (food for excursions not included.)

ADDITIONAL SUBJECT LEVY

This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.

PHYSICAL EDUCATION STUDIES - GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND

Physical Education General Units 1 and 2

COURSE OUTLINE

Unit 3

The focus of this unit is simple movement, biomechanical, physiological, psychological, functional anatomy and motor learning concepts. The understanding of the relationship between skill, movement production and fitness will be further enhanced as students develop and improve.

Unit 4

Students assess their own and others' movement competency and identify areas for improvement. They will build on their knowledge of training principles, nutrition and goal setting concepts to enhance their own and others' performance in physical activity.

Sports may include

Golf
Badminton
Volleyball

ASSESSMENT OUTLINE

Practical	50 %
Investigation	15 %
Response	20 %
Externally Set Task	15 %

EXCURSIONS/INCURSIONS/ CAMPS

Students will participate in golf lessons at Mandurah Country Club.

ADDITIONAL SUBJECT LEVY

This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.

VISUAL ARTS - GENERAL

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND	A result of at least a C in Year 10 English and Visual Arts in Year 9, Year 10 or Year 11								
COURSE OUTLINE	<p>Unit 3 – Inspirations Students become aware that artists gain inspiration and generate ideas from diverse sources, including what is experienced, learned about, believed in, valued, imagined or invented. The breadth of this focus allows choice of learning contexts that are related to students' interests.</p> <p>Unit 4 – Investigations Students explore and develop ideas through the investigation of different artists, art forms, processes and technologies. Students investigate spontaneous and analytical styles of drawing, experimenting with a range of media and techniques. They further develop their knowledge and understanding of visual language and apply this to both art making and art interpretation.</p> <p>The course content is divided into two areas:</p> <ul style="list-style-type: none"> • Art making: Inquiry, Visual language, Visual influence, Art practice, Presentation, and Reflection • Art interpretation: Visual analysis, Personal response, Meaning and purpose, Social, cultural and historical contexts 								
ASSESSMENT OUTLINE	<table border="0"> <tr> <td>Production including visual enquiry</td> <td>65%</td> </tr> <tr> <td>Analysis</td> <td>10%</td> </tr> <tr> <td>Investigation</td> <td>10%</td> </tr> <tr> <td>Externally Set Task</td> <td>15%</td> </tr> </table>	Production including visual enquiry	65%	Analysis	10%	Investigation	10%	Externally Set Task	15%
Production including visual enquiry	65%								
Analysis	10%								
Investigation	10%								
Externally Set Task	15%								
EXCURSIONS/INCURSIONS/ CAMPS	Students may participate in an excursion. This will compulsory and will be formally assessed. The estimated cost of this event is \$100. A final costing will be calculated closer to the events.								
ADDITIONAL SUBJECT LEVY	This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.								

CERTIFICATE II VISUAL ARTS (WOOD FOCUS)

This subject may be chosen by all students but is not used to calculate an ATAR.

SUGGESTED BACKGROUND Success in Year 10 Materials Design Technology Wood and/or competence achieved from studying this course in Year 11

COURSE OUTLINE The Certificate II in Visual Arts (Wood focus) is an appropriate qualification for a student planning on working in industries such as furniture making, roof carpentry, joinery, set and prop production, exhibition scenery and general carpentry. The course prepares students an apprenticeship in many of these trades. It provides students with the fundamental knowledge in many facets of building products in timber and working effectively and safely in a workshop environment.

All students will be given the opportunity to develop a range of practical based woodworking skills, with practical outcomes demonstrated using solid hardwoods and veneers. Also, students will develop their design and communication skills using a variety of media.

ASSESSMENT OUTLINE Certificate II Visual Arts (Wood focus) will be assessed using Competences. Students will study four (4) compulsory Core units and five (5) Elective units. To achieve a full certificate, students must be passed as 'Competent' in all Core and Elective units studied. Students who study this course in Year 12 only will be awarded all Units passed as Competent.

ADDITIONAL SUBJECT LEVY This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.

ELECTIVE SUBJECTS

**Designed for Preparation for
University Entrance (ATAR)**

ACCOUNTING AND FINANCE - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

65% or above in Accounting and Finance ATAR Units 1 and 2

COURSE OUTLINE

This course aims to make students financially literate by creating an understanding of the systems and processes through which financial practices and decision-making are carried out, as well as the ethical, social and environmental issues involved. Financial matters affect every member of our society. In an age when many business practices and ethical standards are being questioned, awareness of the ways financial practices impact on their lives helps students take responsibility for their own financial commitments. The course empowers them, giving them an understanding of the local, national and global influences on financial matters. It gives them the problem-solving skills to operate at many levels of financial decision making, from banking transactions to the management of personal investments and the financial planning and control of businesses. Students develop an understanding of the fundamentals on which accounting and financial management are based.

Unit 3 focuses on **internal management for business**. The unit distinguishes between internal and external reporting requirements. On completion of this unit the student should be able to:

- prepare and interpret budgets and performance reports in relation to forecasting a business's future
- use cost accounting techniques such as CVP analysis and capital investment budgeting in order to assist with decision-making processes
- identify the costs and potential income associated with engaging in socially and environmentally responsible practice
- learn about the importance of short and long term planning for business.

Unit 4 focuses on **Australian reporting entities and how they are regulated** by the *Corporations Act 2001*. On completion of this unit the student should be able to:

- prepare financial statements for a reporting entity using the *Framework for the Preparation and Presentation of General Purpose Financial Reports (The Framework)* and the Accounting Standards
- identify and evaluate the financing options of larger entities, particularly in relation to conformity with basic principles, including profitability and stability
- become familiar with corporate social disclosure issues and ethical behaviour within corporations

ASSESSMENT OUTLINE

Tests	50%
Project	10%
Examination	40%

BIOLOGY – ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 55% in Biology ATAR Units 1 and 2

COURSE OUTLINE

A unique appreciation of life and a better understanding of the living world are gained through studying this course. It encourages students to be analytical, to participate in problem-solving and to systematically explore fascinating and intriguing aspects of living systems, from the microscopic level through to ecosystems.

Students develop a range of practical skills and techniques through investigations and fieldwork in authentic contexts, such as marine reefs, endangered species, urban ecology, or biotechnology. Scientific evidence is used to make informed decisions about controversial issues.

Unit 3 – Continuity of species

Students investigate mechanisms of heredity and the ways in which inheritance patterns can be explained, modelled and predicted; they connect these patterns to population dynamics and apply the theory of evolution by natural selection in order to examine changes in populations.

Unit 4 – Surviving in a changing environment

Students investigate system change and continuity in response to changing external conditions and pathogens; they investigate homeostasis and the transmission and impact of infectious disease; and they consider the factors that encourage or reduce the spread of infectious disease at the population level.

ASSESSMENT OUTLINE

Examinations	50%
Tests	20%
Practical Work	20%
Extended Answers	10%

EXCURSIONS/INCURSIONS/ CAMPS

Students may participate in an excursion to the regional Dryandra State Forrest Camp and/or Perth Zoo. The estimated cost of these events is \$100. A final costing will be calculated closer to the events.

CHEMISTRY - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 55% in Chemistry ATAR Units 1 and 2 or teacher recommendation

COURSE OUTLINE

This course equips students with the knowledge, understanding and opportunity to investigate properties and reactions of materials. Theories and models are used to describe, explain and make predictions about chemical systems, structures and properties. Students recognise hazards and make informed, balanced decisions about chemical use and sustainable resource management. Investigations and laboratory activities develop an appreciation of the need for precision, critical analysis and informed decision making.

Unit 3 – Equilibrium, acids and bases, and redox reactions

Students investigate the concept of reversibility of reactions and the dynamic nature of equilibrium in chemical systems; contemporary models of acid-base behaviour that explain their properties and uses; and the principles of oxidation and reduction reactions, including the generation of electricity from electrochemical cells.

Unit 4 – Organic chemistry and chemical synthesis

Students develop their understanding of the relationship between the structure, properties and chemical reactions of different organic functional groups. Students also investigate the process of chemical synthesis to form useful substances and products and the need to consider a range of factors in the design of these processes.

ASSESSMENT OUTLINE

Examinations	50%
Tests	20%
Practical Work	20%
Extended Answers	10%

DESIGN - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 60% in Design ATAR Units 1 & 2.

SUGGESTED BACKGROUND

Design

COURSE OUTLINE

The aims of the course are to facilitate a deeper understanding of how design works; and how ideas, beliefs, values, attributes, messages and information are effectively communicated to specific audiences.

Students will develop a competitive edge for current and future industry and employment markets. This course provides knowledge and understanding for those wishing to pursue higher education and careers in Communication Studies, Digital Design, Technical Graphics, Engineering, Architecture, Graphic Design, Product Design, Interior Design, Computer Aided Design and Marketing. It will emphasis the scope of design in professional and trade based industries. Through two main focii, students will develop their knowledge and understanding in:

- Commercial Design; Students become aware that design has commercial considerations that are influenced by various stakeholders to produce products, services and brands.
- Influential Design; Students learn how the communication of ideals, messages, information and values can influence opinions and attitudes.

Students will study both the built and natural environments and how society depends on both. They examine how these environments communicate to our lives. Students will analyse a client's needs, and by using their skills in design, research, development, planning and manufacture, solve problems associated with these client needs and these environments.

Students will focus on the communication of ideas, messages, information and values, to influence opinion and attitudes. Through the production of products and visual layouts, students will develop skills and understanding of applied semiotics. Students will design and produce stimulating visual design solutions that are presented within a range of contexts. This will include concept sketching, Computer Aided Design and Manufacture. Achievement will be obtained in Design understanding, Design process and Application of design and Design in society.

ASSESSMENT OUTLINE

Production (Design Portfolio)	50%
Response	20%
Examination	30%

DRAMA - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

Successful completion of Drama ATAR Units 1 and 2 and English ATAR Units 1 and 2

COURSE OUTLINE

Unit 3

Reinterpretation of drama for contemporary audiences

The focus for this unit is to reinterpret dramatic text, context, forms and styles for contemporary audiences through applying theoretical and practitioner approaches. This includes physical theatre approaches, such as Jacques Lecoq, Anne Bogart and Tadashi Suzuki and text-based approaches, such as Theatre of the Absurd, Asian theatre and Poor Theatre. Students work on the reinterpretation of text, subtext, context, form and style through in-depth study.

Unit 4

Contemporary and devised drama

The focus for this unit is interpreting, manipulating and synthesising a range of practical and theoretical approaches to contemporary and devised drama. This includes contemporary theatre approaches, such as Barrie Kosky and Robert Lepage and experimental approaches, such as Robert Wilson and VE Meyerhold. Students show their understanding of how a range of practical and theoretical approaches manipulate the elements of drama to devise and perform original work.

ASSESSMENT OUTLINE

Practical Component

Performance/Production 60%

Practical Examination 40%

Written Component

Response 60%

Written Examination 40%

EXCURSIONS/INCURSIONS/ CAMPS

Students will participate in two excursions to see a live performance. These will be compulsory class events and are formally assessed. Students studying Drama at a Year 12 level are expected to attend a compulsory camp which will occur over the course of three days. The estimated cost of these events is \$285.

HUMAN BIOLOGY – ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 55% in Human Biology ATAR Units 1 and 2

COURSE OUTLINE

This course gives students a chance to explore what it is to be human—how the human body works, the origins of human variation, inheritance in humans, the evolution of the human species and population genetics.

Through their investigations, students research new discoveries that increase our understanding of human dysfunction, treatments and preventative measures.

Practical tasks are an integral part of this course and develop a range of laboratory skills; for example, biotechnology techniques. Students learn to evaluate risks and benefits to make informed decisions about lifestyle and health topics, such as diet, alternative medical treatments, use of chemical substances and the manipulation of fertility.

Unit 3: Endocrine system, Central and peripheral nervous system, Homeostasis, Response to infection

Unit 4: Mutations, Gene pools, Evidence for evolution, Hominid evolutionary trends

ASSESSMENT OUTLINE

Examinations	40%
Tests	25%
Practical Work	20%
Extended Answers	15%

MATHEMATICS APPLICATIONS

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

Successful completion of Mathematics Applications Units 1 and 2

COURSE OUTLINE

Unit 3

Bivariate data analysis introduces students to some methods for identifying, analysing and describing associations between pairs of variables, including the use of the least-squares method as a tool for modelling and analysing linear associations. Students are taught to apply the statistical investigation process.

Growth and decay in sequences employs recursion to generate sequences that can be used to model and investigate patterns of growth and decay in discrete situations. These sequences find application in a wide range of practical situations, including modelling the growth of a compound interest investment, the growth of a bacterial population, or the decrease in the value of a car over time. Sequences are also essential to understanding the patterns of growth and decay in loans and investments that are studied in detail in Unit 4.

Graphs and networks introduces students to the language of graphs and the ways in which graphs, represented as a collection of points and interconnecting lines, can be used to model and analyse everyday situations, such as a rail or social network.

Unit 4

Time series analysis continues students' study of statistics by introducing them to the concepts and techniques of time series analysis. Students are taught to apply the statistical investigation process.

Loans investments and annuities aims to provide students with sufficient knowledge of financial mathematics to solve practical problems associated with taking out or refinancing a mortgage and making investments.

Networks and decision mathematics uses networks to model and aid decision making in practical situations.

ASSESSMENT OUTLINE

Responses (Tests)	40%
Investigations	20%
Examinations	40%

MATHEMATICS METHODS

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

Successful completion of Mathematics Methods Units 1 and 2

COURSE OUTLINE

Unit 3

The study of calculus continues with the derivatives of exponential and trigonometric functions and their applications, together with some differentiation techniques and applications to optimisation problems and graph sketching. It concludes with integration, both as a process that reverses differentiation and as a way of calculating areas. The fundamental theorem of calculus as a link between differentiation and integration is emphasised. In statistics, discrete random variables are introduced, together with their uses in modelling random processes involving chance and variation. This supports the development of a framework for statistical inference.

Unit 4

The calculus in this unit deals with derivatives of logarithmic functions. In probability and statistics, continuous random variables and their applications are introduced and the normal distribution is used in a variety of contexts. The study of statistical inference in this unit is the culmination of earlier work on probability and random variables. Statistical inference is one of the most important parts of statistics, in which the goal is to estimate an unknown parameter associated with a population using a sample of data drawn from that population. In this course, statistical inference is restricted to estimating proportions in two-outcome populations.

ASSESSMENT OUTLINE

Responses (Tests)	40%
Investigations	20%
Examinations	40%

MATHEMATICS SPECIALIST

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

Successful completion of Mathematics Specialist Units 1 and 2

CO-REQUISITES

A student must also be enrolled in Mathematics Methods to do this subject.

COURSE OUTLINE

Unit 3

The study of **vectors** was introduced in Unit 1 with a focus on vectors in two-dimensional space. In this unit, three-dimensional vectors are studied and vector equations and vector calculus are introduced, with the latter extending students' knowledge of calculus from the Mathematics Methods ATAR course. Cartesian and vector equations, together with equations of planes, enables students to solve geometric problems and to solve problems involving motion in three-dimensional space. The Cartesian form of **complex numbers** was introduced in Unit 2, and the study of complex numbers is now extended to the polar form.

The study of **functions** and techniques of graph sketching, begun in the Mathematics Methods ATAR course, is extended and applied in sketching graphs and solving problems involving integration.

Unit 4

In Unit 4, the study of **differentiation** and **integration** of functions continues, and the calculus techniques developed in this and previous topics are applied to simple differential equations, in particular in biology and kinematics. These topics demonstrate the real-world applications of the mathematics learned throughout the Mathematics Specialist ATAR course.

In this unit, all of the students' previous experience working with probability and statistics is drawn together in the study of **statistical inference** for the distribution of sample means and confidence intervals for sample means.

ASSESSMENT OUTLINE

Responses (Tests)	40%
Investigations	20%
Examinations	40%

MEDIA, PRODUCTION AND ANALYSIS - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 60% in Media, Production & Analysis ATAR Units 1 and 2 and at least a C grade in English ATAR Units 1 and 2

SUGGESTED BACKGROUND

An interest in all aspects of filmmaking and media production.

COURSE OUTLINE

Media has the power to entertain, amuse, move us and at times upset and anger us. But at the same time it can provoke discussion and the development of opinions and points of view. Students in this subject will apply both a practical and theoretical understanding of Media to produce and analyse a wide range of Media texts for different purposes and for different audiences.

Unit 3: Media Art

Students will analyse, view, listen to and interact with contemporary and traditional examples of media art, identifying techniques and themes, meanings that are created and audiences' interpretations. They consider the representation of values and technological developments that influence perceptions of art within media work.

Unit 4: Power and Persuasion

Through this broad focus, students extend their understanding of persuasive media, examining the way the media is able to reflect, challenge and shape values and attitudes. They critically analyse, view, listen to, and interact with a range of media work, considering the purposes and values of producers and audiences.

Topics covered include:

- Art and National Cinemas, Independent films
- Propaganda, documentaries and the power of Media.

Production skills: Camera/filming techniques, editing skills and producing.

The final WACE examination score will comprise a production task worth 50%. The other 50% will include the written external examination. For the practical component of this subject students will specialise in a Media role. For example: editing or cinematography.

ASSESSMENT OUTLINE

Productions	50%
Written Responses	20%
Exams	30%

EXCURSIONS/INCURSIONS/ CAMPS

Students will participate in an editing incursion. This is compulsory and will benefit students in the editing of their final productions. The estimated cost of this event is \$5. A final costing will be calculated closer to the event. Students will also participate in an excursion to the Media Perspectives Showcase. Price is yet to be announced.

MODERN HISTORY - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 65% in Modern History ATAR Units 1 and 2 and at least a C grade in English ATAR or Literature ATAR Units 1 and 2

COURSE OUTLINE

This course enables students to study the forces that have shaped today's world and provides them with a broader and deeper understanding of the world. While the focus is on the 20th century, the course covers changes from the late 18th century towards the changing world of the 21st century.

The themes that run through the units include: local, national and global conflicts and their resolution; the rise of communism and its consequences; the decline of imperialism and the process of decolonisation; the struggle for the recognition of human rights; the transformation of social, political and economic life; the regional shifts in power and the rise of Asia; and the changing nature and influence of ideologies.

Unit 3

This unit concentrates on the mysteries of the Orient. Students explore how China moved from emperors to war lords to democracy and then to today's communism. They will examine the causes and consequences of the fall of the Qing Dynasty, the rise of the "Father of Modern China", Sun Yat Sen, The Long March, China's civil war, the rise of Mao Zedong and Communism in China through flood, drought and revolution to its arrival in the modern world. In this, the Asian Century, Australia's future leaders and workers need to understand, China, our largest trade partner.

Unit 4

The focus is the rise of peace and conflict in Europe during the Cold War. Discover the causes of the Cold War, the establishment of the United Nations, NATO, Warsaw Pact, Peaceful Co-existence, Détente, SALT, MAD, Star Wars, Glasnost and more. Consequently you follow the rise and fall of leaders, such as Stalin, Truman, Khrushchev, Eisenhower, Kennedy, Nixon, Regan and Gorbachev as well as the less well known leaders of Germany, France, Yugoslavia and Romania to name a few as this handful of men take the world to the brink of total destruction.

ASSESSMENT OUTLINE

Historical Inquiry	20%
Explanation	20-30%
Source Analysis	20-30%
Examinations	30%

EXCURSIONS/INCURSIONS/ CAMPS

Students may participate in an excursion and an incursion with a guest speaker. These are compulsory and are formally assessed. The estimated cost of these events is \$50. A final costing will be calculated closer to the events.

MUSIC - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

At least a C grade in English ATAR and at least 70% for both written and practical work in Music ATAR and completion of instrumental music or interview with The Head of Music

COURSE OUTLINE

Across the two units, the study of a range of repertoire enables students to develop an understanding of the elements of music and apply these through creating, composing, performing and responding to music. Students explore how social, cultural and historical factors shape music. These units provide the opportunity for teachers to introduce students to music in the specific context/s being studied.

Students studying these units are expected to develop an understanding of the application of Western staff notation, this being an essential component of the ATAR Unit 3 & 4 examination.

ASSESSMENT OUTLINE

Written	50%
Practical	50%

(Practical context may be independent of context studied in class e.g. Jazz Performance.)

EXCURSIONS/INCURSIONS/ CAMPS

Students will participate in an excursion and may be required to attend another excursion or incursion during the course of the year. These are compulsory, however, are not formally assessed. Students are required to attend these excursions to gain a greater appreciation of the Arts subject that they are studying. The estimated cost of these events is \$70. A final costing will be calculated closer to the events.

ADDITIONAL SUBJECT LEVY

This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.

OUTDOOR EDUCATION - ATAR

This subject is only suitable for ATAR students.

PRE-REQUISITES

A minimum of 60% in Outdoor Education ATAR Units 1 and 2

COURSE OUTLINE

Unit 3

The focus for this unit is outdoor program development. This provides the opportunity for students to address planning considerations, including risk assessment and management, emergency response and logistical planning in the outdoors. In this unit, students plan and then participate in an extended expedition. Students use theories and models to determine how these programs impact on personal and group development and understand leadership strategies to add value to outdoor experiences. They continue to develop a deeper understanding of the environment and its current state, examine how human relationships with the environment have changed over time, and develop strategies to encourage positive relationships with nature in others.

Unit 4

The focus for this unit is developing and facilitating outdoor experiences. Students draw from their previous experiences and knowledge to synthesise a range of ideas, skills, technologies and processes to develop, manage, instruct and facilitate experiences in the outdoors. They explore applications of outdoor experiences that address issues and requirements of specific groups. Students continue to develop and apply theoretical understandings in facilitating experiential learning, and use instructional strategies to assist others to develop a positive relationship with nature. They understand the concepts related to outdoor leadership and provide meaningful experiences for people to explore values related to self, others and the environment.

As part of this course students will be required to participate in outdoor activities such as;

Sea Kayaking
Mountain Biking

ASSESSMENT OUTLINE

Investigation (Expedition planning)	10%
Performance 1 (Climbing and Canoeing)	10%
Performance 2 (Expedition performance)	20%
Response (Expedition journal)	20%
Exam	40%

EXCURSIONS/INCURSIONS/ CAMPS

Students will participate in one expedition (five days) and one excursion (one day). These are compulsory and are formally assessed. The estimated cost of these events is \$350. A final costing will be calculated closer to the events.

ADDITIONAL SUBJECT LEVY

Some of the units above require students to travel off campus, which will be included in the course fee of approximately \$300.

PHYSICAL EDUCATION STUDIES - ATAR

This subject is only suitable for ATAR students.

PRE-REQUISITES	A minimum of 60% in Physical Education Studies ATAR Units 1 and 2	
SUGGESTED BACKGROUND	Sporting background (preferably school/club level)	
COURSE OUTLINE	<p>Unit 3 The focus of this unit is to provide opportunities for students to build upon their acquired physical skills and biomechanical, physiological and psychological understandings, to improve the performance of themselves and others in physical activity.</p> <p>Unit 4 The focus of this unit is to extend understanding by students of complex biomechanical, psychological and physiological concepts to evaluate their own and others' performance.</p>	
ASSESSMENT OUTLINE	Theory (Investigation & Response)	70%
	Practical	30%

PHYSICS - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

A minimum of 55% in Physics ATAR Units 1 and 2

COURSE OUTLINE

In this course students will learn how energy and energy transformations can shape the environment from the small scale, in quantum leaps inside an atom's electron cloud, through the human scale, in vehicles and the human body, to the large scale, in interactions between galaxies. Students have opportunities to develop their investigative skills and use analytical thinking to explain and predict physical phenomena.

They plan and conduct investigations to answer a range of questions, collect and interpret data and observations, and communicate their findings in an appropriate format. Problem-solving and using evidence to make and justify conclusions are transferable skills that are developed in this course.

Unit 3 – Gravity and electromagnetism

Students investigate models of motion in gravitational, electric and magnetic fields to explain how forces act at a distance.

Unit 4 – Revolutions in modern physics

Students use the theory of electromagnetism to explain the production and propagation of electromagnetic waves and investigate how shortcomings in existing theories led to the development of the quantum theory of light and matter, the Special Theory of Relativity, and the Standard Model of particle physics.

ASSESSMENT OUTLINE

Examinations	50%
Tests	30%
Practical Work	20%

EXCURSIONS/INCURSIONS/

Students may be invited to participate in an excursion Gingin Gravity Centre and Speed Dome. The estimated cost of these events is \$50. A final costing will be calculated closer to the events.

PSYCHOLOGY – ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

At least 65% in Psychology ATAR Units 1 and 2

SUGGESTED BACKGROUND

Strong background in Mathematics and Science subjects

COURSE OUTLINE

Psychology is the scientific study of how people think, feel and act. It aims to answer important questions such as what factors influence human development. While there are other disciplines that overlap with psychology's main aim to understand humans, psychology is rigorous in its use of scientific method. This allows for systematic exploration into the complexities of human behaviour based on evidence gathered through planned investigations and differing perspectives.

Unit 3

This unit focuses on the functions of the lobes of the cerebral cortex and examines how messages are transmitted from the brain to the body. It explores how behaviour is influenced by learning and other factors, and the impact of others on individual behaviour. Students examine socialisation processes observed within families and how social background and gender can shape communication styles. Students expand on their knowledge of ethics in psychological research as they engage in detailed investigations.

Unit 4

This unit focuses on developmental and contemporary personality theories, and behaviours observed when individuals are examined in the social context. Students analyse the causes of conformity and obedience and gain an understanding of the factors that shape a sense of community. Students continue to develop their understanding and application of psychological research methods.

ASSESSMENT OUTLINE

Investigation	15%
Response	30%
Project	15%
Examination	40%

EXCURSIONS/INCURSIONS/ CAMPS

Students will participate in an excursion to Perth Zoo to study behaviour modification techniques. Cost will be calculated nearer the date of the excursion.

VISUAL ARTS - ATAR

This subject is only suitable for those students studying for an ATAR.

PRE-REQUISITES

At least 65% in Course 2 English

SUGGESTED BACKGROUND

Successful completion of Visual Arts ATAR Units 1 and 2 or Visual Arts General Units 1 and 2

COURSE OUTLINE

In this course students engage in traditional, modern and contemporary media and techniques within the broad areas of art forms. It promotes innovative practice. Students are encouraged to explore and represent their ideas and gain an awareness of the role that artists and designers play in reflecting, challenging and shaping societal values. Students develop aesthetic understandings and a critical awareness to appreciate and make informed evaluations of art through their engagement of their own art practice and the work of others.

Unit 3 – Commentaries

Students engage with the social and cultural purposes of art making to produce a unique and cohesive body of work. Broad and innovative inquiry includes the conceptualisation and documentation of experiences within contemporary society. Students transform ideas and develop concepts using innovative approaches to art making and presentation. They document their thinking and working practices, having the flexibility to work across media and art forms.

Unit 4 – Points of View

Students identify and explore concepts or issues of personal significance in the presentation of a sustained, articulate and authentic body of work. They engage in sustained inquiry, exploring ideas and developing concepts to communicate a personal point of view.

The course content is divided into two areas:

Art making: *Inquiry, Visual language, Visual influence, Art forms, Media and Techniques, Art practice, Presentation and Reflection.*

Art interpretation: *Visual analysis, Personal response, Meaning and purpose and Social, cultural and historical contexts.*

ASSESSMENT OUTLINE

Production	50%
Analysis	15%
Investigation	15%
Examination	20%

EXCURSIONS/INCURSIONS/ CAMPS

Students participate in an excursion. This will be compulsory and will be formally assessed. The estimated cost of this event is \$100. A final costing will be calculated closer to the event.

ADDITIONAL SUBJECT LEVY

This subject incurs an additional levy which will be finalised prior to commencing the subject. Further information may be obtained by contacting the Assistant Bursar.