



YEAR 11 & 12

SUBJECT

HANDBOOK

2018



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Students and their parents/caregivers need to give careful consideration to the information in the following pages to guide senior subject selections. This Subject Handbook is an excellent resource for providing details of each subject offered in Year 11/12 at Aviation High School, the requirements for achieving the Queensland Certificate of Education and guidance for post school options.

When choosing subjects, it is important for students to consider:

- Academic strengths and weaknesses
- Subjects that the individual student has found enjoyable, interesting and personally rewarding
- Possible career pathways – seek the Guidance Officer's advice and QTAC resources
- Future university or TAFE course prerequisites
- Other training/employment needs

Staffing and resource constraints oblige us to remove those courses which are not sufficiently supported by student selection. All students affected will then be asked to reselect from those courses that are offered. Please note that the school limits the size of classes, therefore a change of subject may not be possible if a class is full.

If students or parents/caregivers have any questions in relation to the information contained in this Handbook or the subject selection process, please contact the Deputy Principal, Guidance Officer, and Senior Schooling Head of Department or discuss options with your current class teachers and Heads of Department.

PREPARING FOR THE SENIOR PHASE OF LEARNING

WHAT NEXT?

In 2006, the Queensland Government introduced new laws which require young people to be earning or learning. After Year 10, you are now able to consider a much wider range of learning options. To make the most of these options, you will need a Senior Education and Training Plan (SET Plan). A SET Plan helps you work toward your goals in your senior years of schooling, and then on to further study and the world of work. The school organises a SET Planning day each year to assist all year 10 students in making their subject selections.

You have many options available for Years 11 and 12, including:

- Authority subjects
- Authority-registered subjects
- Recognised subjects/courses
- A school-based apprenticeship or traineeship
- Vocational education and training (VET)
- Employment.

THE STUDENT EDUCATION PROFILE

At the end of Year 12, you will receive a Student Education Profile (SEP) which consists of:

- Senior Statement
- Tertiary Entrance Statement, if you are eligible for an Overall Position (OP) and Field Position (FPs)
- Queensland Certificate of Education (QCE), if eligible
- Queensland Certificate of Individual Achievement (if relevant).

QUEENSLAND CERTIFICATE OF EDUCATION (QCE)

The QCE is a school-based qualification awarded to young people who have achieved set standards in a 'significant amount of learning' and who have met literacy and numeracy requirements.

A significant amount of learning (20 credits) includes:

- A minimum of 12 credits from completed core courses of study
- The remaining 8 credits from a combination of core, preparatory, enrichment and advanced courses of study.

A set standard of achievement is:

- A Sound Level of Achievement (for Authority and Authority-registered subjects)
- Completion (for VET certificate)
- A Pass or equivalent for other courses of study recognised or approved by QCAA.

QUEENSLAND CERTIFICATE OF INDIVIDUAL ACHIEVEMENT (QCIA)

The Queensland Certificate of Individual Achievement (QCIA) recognises the achievements of students who are on highly individualised learning programs. To be eligible, students must have impairments or difficulties in learning that are not primarily due to socio-economic, cultural or linguistic factors.

The QCIA is an official record that students have completed at least twelve years of education, and provides students with a summary of their knowledge and skills that they can present to employers and training providers.

The certificate records the student's achievements in two areas:

- The Statement of Achievement provides descriptions of the student's demonstrated knowledge and skills across six curriculum organisers.
- The Statement of Participation lists the names or titles of activities that a student has undertaken.

SENIOR STATEMENT

When you finish Year 12, you will be given a Senior Statement that records:

- What, when and where learning was undertaken
- The result and credit value achieved
- Your result in the Queensland Core Skills (QCS) Test, if eligible.

Subject Results

Subject results can be obtained in individual subjects selected from a wide range of other subjects, depending on their availability at individual schools. They are reported under the headings:

- Authority subjects
- Authority-registered subjects
- VET
- Recognised subjects/courses.

Recognised subjects/courses

Recognised subjects/courses include:

- University courses
- Awards and certificates
- International learning programs
- Tailored training programs
- Workplace, community and self-directed (WCS) learning projects
- Structured workplace and community-based learning programs.

Vocational Education and Training (VET)

Vocational education and training (VET) may be undertaken at school or through a registered training provider. The qualifications gained from VET are nationally accredited. The skills you gain will also allow you to enter the workforce and/or to move on to further vocational or academic studies. Certificate I to Advanced Diploma qualifications can be completed through VET.

School-based apprenticeships and traineeships

Part-time apprenticeships or traineeships can be undertaken during the senior phase of learning. These are endorsed training packages, based on industry standards that can lead to nationally recognised qualifications under the Australian Qualifications Framework (AQF).

QUEENSLAND CORE SKILLS TEST (QCST)

The QCS Test:

- Is a state-wide test available to students in Year 12
- Is based on common elements of the Queensland senior curriculum
- Consists of four papers: Writing Task, Multiple Choice Papers (I and II) and Short Response
- Is recommended for all students – OP-eligible and non-OP-eligible
- Is a requirement to be eligible for an OP and FPs
- Provides you with a result if you sit the test
- Is reported on a 5-point scale from A (highest) to E (lowest).

TERTIARY ENTRANCE STATEMENT

The Tertiary Entrance Statement reports your Overall Position (OP) and your results in up to five Field Positions (FPs). Queensland Curriculum and Assessment Authority (QCAA) issues a Tertiary Entrance Statement if you qualify for an Overall Position.

Overall Position (OP)

Your OP gives you a rank order position from 1 (highest) to 25 (lowest), if eligible. Your OP:

- Indicates your rank order position, based on overall achievements in Authority subjects
- Is the combined result of your best 100 weighted semester units (WSUs) in Authority subjects studied during Years 11 and 12
- Requires you to study at least 3 Authority subjects for all 4 semesters
- Involves scaling using the Queensland Core Skills (QCS) Test results
- Uses equal weightings for all subjects.

To be eligible for an OP, you must:

- Study 20 semester units of Authority subjects (the equivalent of 5 subjects over 4 semesters), including at least 3 subjects for 4 semesters
- Sit for the Queensland Core Skills (QCS) Test
- Remain at school until the final day of Year 12.

An OP is reported as one of 25 bands from 1 (highest) to 25 (lowest) for eligible students		
Band 1	=	about top 2%
Band 2-6	=	about next 15%
Band 7-21	=	about next 70%
Band 22-24	=	about next 11%
Band 25	=	about next 2%

Field Positions (FPs)

Field Positions are calculated only when you are eligible for an OP. Field Positions:

- Indicate your rank order position based on overall achievement in Authority subjects in up to five fields
- Require completion of at least 60 weighted semester units (WSUs) of relevant Authority subjects
- Involve scaling using QCS Test results
- Use unequal weightings for subjects
- Are reported in bands 1 (highest) to 10 (lowest)
- Use weightings that reflect the coverage of the fields in the subject syllabus (your teachers will assist you to establish your field eligibility).

FP A extended written expression

FP B short written communication

FP C basic numeracy

FP D solving complex problems

FP E practical performance

Subject weights for determining Field Positions

The table of subject weights for fields is available on the web www.QCAA.qld.edu.au/tertiary-entrance/fp

It is important to ensure that you qualify for the FPs that may be used in the final selection phase of your preferred tertiary courses. FPs are used by universities and TAFE institutes to select students who are at the OP 'cut-off' for a course. However, most students are likely to be selected for courses without using FPs.

HOW DO I GET INTO FURTHER EDUCATION AFTER YEAR 12?

Further education usually means studying at university, TAFE or another learning institution. There are two direct ways to access further education:

- Be OP-eligible
- Use your tertiary entrance rank.

Tertiary Entrance Rank

The Queensland Tertiary Admissions Centre (QTAC) will calculate a rank based on your subject results, using a schedule developed by QCAA.

Your rank is based on a mixture of Authority subjects, and/or Authority-registered subjects, and/or vocational education units of competency/modules, and uses the achievement in your best 20 semesters or equivalent, on your Senior Statement.

- If you take the QCS Test, your QCS result will also be included in your rank calculation. If you achieve a D result or better, you may improve your chances with your tertiary entrance rank
- If you do not take the QCS Test, a result of E will be used when calculating your tertiary entrance rank
- The maximum rank you can get is 90 (equivalent to an OP 6).

There are many pathways for entry to university, TAFE or other learning institutions. Your guidance officer/counsellor or student advisor can help you understand your alternatives.

Can I go from studying VET to University?

If you complete at least a Certificate III course, you may gain a rank high enough for university entry. Many universities have credit transfer arrangements with other Registered Training Organisations (RTOs) which let you complete your studies more quickly.

FAQs

I want to go to TAFE or university. Which subjects should I take?

If you intend to go to TAFE or university after completing Year 12, you should check how students are selected for your preferred courses. You need to ensure you choose subjects that fulfil prerequisites for your higher education course/s. You should then choose subjects that interest you and in which you are likely to succeed.

To be OP-eligible, you must study a minimum of 5 Authority subjects. Three of these subjects must be over 4 semesters. However, you do not have to study all Authority subjects. You may choose to take an Authority-registered subject to some vocational education units of competency/modules, if these are available. You must also sit the QCS Test in Year 12.

If you choose to be OP-ineligible and use your Queensland Tertiary Admissions Centre (QTAC) schedule rank, you should also sit the QCS Test to try to increase your rank. If you do not sit the QCS Test, you will receive an E result.

I don't know what I will do after Year 12. What subjects should I study?

If you are not sure what you want to do after Year 12, choose subjects you like or have an interest in, and in which you are likely to do well.

Can I complete Years 11 and 12 over three years?

Yes. If you have other commitments (eg representative sport) or special circumstances, your school can arrange your study over three years.

I want to start a school-based apprenticeship/traineeship at school. What can I do when I leave Year 12?

If you are able to start a school-based apprenticeship/traineeship while you are at school, and you are OP-eligible, you may be able to use your OP to gain entry to a university course, provided you have studied the necessary prerequisites. If you are OP-ineligible, you can choose to complete your apprenticeship/traineeship, and then use this qualification to enter the workforce or to continue with further study. You may be granted credit for the units of competency/modules you have completed as part of your apprenticeship/traineeship.

I enjoy vocational education subjects. What happens if I decide to do further study after Year 12?

If you choose to study mostly vocational offerings at school, you can still move on to further study after Year 12. At the end of Year 12, QTAC can calculate a rank based on your results in the subjects that you have taken in Years 11 and 12. You can use this rank to enter diploma courses offered by some tertiary institutions and TAFE institutions. You may also be given credit at TAFE for units of competency/modules you have completed during Years 11 and 12.

I want to get a job after Year 12. Can I return to study later?

If you enter the workforce after completing Year 12, you can return to further study at any time. In order to be eligible for a course, you must have successfully completed any prerequisite subjects. When you apply for entry to a course, your OP (if you have one) will be used. If you do not have an OP, a rank can be calculated for you, based on what you have done at school or through some recognised training courses. You can even use life experiences and length of time spent working in an industry.

WHERE DO I GET MORE INFORMATION?

QTAC LTD

Office address: 4/154 Melbourne Street
South Brisbane QLD 4101
Phone: 1300 467 822
Web: www.qtac.edu.au

QUEENSLAND UNIVERSITIES AND TAFE QUEENSLAND

Australian Catholic University	www.acu.edu.au
Bond University	www.bond.edu.au
Central Queensland University	www.equ.edu.au
Griffith University	www.griffith.edu.au
James Cook University	www.jcu.edu.au
Queensland University of Technology	www.qut.edu.au
TAFE Queensland	www.tafe.net
The University of Queensland	www.uq.edu.au
University of Southern Queensland	www.usq.edu.au
University of the Sunshine Coast	www.usc.edu.au

SET PLANS AND SUBJECT SELECTION

Some of the most important decisions students make at school are those relating to subject selections. These decisions are important since they may directly affect your success at school and how you feel about school. Senior subject selections are also an important part of career planning, particularly if tertiary study becomes integral to your career.

As an overall strategy, it is suggested that you choose subjects which:

- you enjoy
- you have demonstrated, or feel confident of achieving, some success in
- will help you to develop skills, knowledge and attitudes useful throughout life
- help you to achieve your chosen career goals (if such goals have been formulated) or to keep your career options open should you be unsure of your post-school direction. (Please be assured that being uncertain of one's career direction at this age is quite normal.)

Following are some further, more specific guidelines and a brief glossary of key terms intended to support your decision making processes.

INVESTIGATE OCCUPATIONAL PATHWAYS

Choosing your subjects will be easier if you have identified a few preferred occupations and researched the various pathways available for entry to those occupations. If entry to your preferred occupation requires specific post-school training or completion of a tertiary qualification, make sure that any subject prerequisites for such training or tertiary courses are included amongst your senior subject selections. Where subject prerequisites are flexible, use common sense to select senior subjects where the content covered and/or skills developed are likely to provide a relevant foundation for your future training or tertiary study.

The self-reflection and career exploration processes underpinning the development of your Senior Education and Training (SET) Plan – is a major focus of the Year 10 Careers Education program. This will help you to select and structure senior learning options to reflect your interests and ambitions as well as meet tertiary entry requirements and vocational goals.

CHECK TERTIARY ADMISSION POLICIES

Students must be guided at all times by the information contained in the official QTAC booklet, Tertiary Prerequisites. It lists all of the prerequisite subjects for tertiary entry. This booklet will be available for distribution at the Year 11 information evening and should be kept until the completion of Year 12.

In addition to keeping the Tertiary Prerequisites booklet as a reference tool, you should also familiarise yourself with the admission policies of each tertiary institution offering courses of interest to you. Selection of applicants for tertiary courses can involve complex admission rules and such rules often vary between institutions and change over time. Students considering the OP-ineligible option, students likely to be eligible for multiple selection ranks at the end of Year 12, and students planning upgrading strategies will be those most in need of clarifying their admission status with the tertiary institutions.

KEEP YOUR OPTIONS OPEN

While some of you may currently feel absolutely sure of your future career, it is very common for students to change their minds over the last two years of senior schooling. Given the pace of change in the employment sector and the unpredictability of life in general, it is also a wise strategy to have multiple career options ready to implement. In essence, there are many benefits to be gained from keeping your options open. Choosing a balance of subjects across a variety of disciplines can serve many positive purposes. You are being asked to select subjects that you enjoy, which will give you the greatest chance of achieving academic success, and which will allow you flexibility of options post school.

GLOSSARY OF TERMS

Assumed Knowledge

Assumed knowledge is the minimum level of achievement in Senior Studies (or equivalent) considered necessary for successful first year tertiary study. Students lacking the assumed level of knowledge are not prevented from enrolling; however, they may be disadvantaged unless they undertake any recommended bridging, preparatory or appropriate introductory subjects prior to or during their first year of study.

Authority Subjects

These subjects, approved by the Queensland Curriculum and Assessment Authority (QCAA), are offered state wide in Queensland secondary schools. Many Authority subjects may be taken in Year 11 without prior study of similar subjects. It would be difficult, however, to attempt subjects such as Mathematics B or C, Chemistry, Physics, Music and Languages without successful prior study in related Year 10 subjects. Authority subjects are used in the calculation of OPs and selection ranks.

Authority-Registered Subjects

Authority-registered subjects are those based on QCAA developed Study Area Specifications or developed by the school where the school's work program is accredited. These subjects emphasise practical skills and knowledge relevant to specific industries. Authority-registered subjects are not used in the calculation of an OP but may be used in the calculation of a tertiary selection rank.

OP Eligible

An Overall Position (OP) indicates a student's rank order positioning the state reported in bands from 1 (highest) to 25 (lowest). To be OP eligible, student must meet the following QCAA guidelines:

- study a minimum of 20 semesters of Authority subjects (equivalent to 5 subjects)
- study at least 3 of these subjects for all four semesters of Years 11 and 12 and
- sit the Queensland Core Skills (QCS) Test.

Aviation High School policy is for Year 11 students to begin with a course of study of six subjects. This maximises the options available to them over Years 11 and 12. Variation to this policy is by negotiation on an individual basis but is not recommended. All OP subjects require at least a "C" grade in Year 10 English. Entry to Mathematics B and Mathematics C require at least a "B" grade in Year 10 Mathematics.

OP Ineligible

A student who does not meet the above QCAA guidelines becomes OP ineligible. A student who does not qualify for an OP, yet has 20 semester units of study, will be considered for tertiary entry on the basis of their subjects as recorded on their Queensland Certificate of Education (QCE) or Senior Statement and their results on the QCS test, if they sit it. OP ineligible students are afforded the same access to tertiary courses as OP eligible students providing they still meet subject prerequisites and admission cut-offs. The OP ineligible option provides a more flexible pathway for a student who does not wish to follow the traditional academic course of study by allowing more flexible combinations of Authority, Authority-registered and/or VET subjects.

Prerequisites

These are subjects you study in Years 11 and 12 that are stated by universities, TAFE and private colleges as necessary for you to complete at the required level to qualify for entry to particular courses. Prerequisites are expressed as achievement in specific senior subjects. For example, English (4,SA) indicates that the QCAA Authority subject English must have been studied over four semesters and an overall Exit Assessment of Sound Achievement or better obtained.

Queensland Tertiary Admissions Centre (QTAC)

QTAC acts on behalf of universities, TAFE institutes and some private organisations to publish course information and to receive and process tertiary course applications.

Recommended Subjects

Subjects recommended in order to undertake a course successfully. These subjects, whilst desirable, are not entry requirements and do not affect applicant selection.

SELECTION OF SUBJECTS

A QUICK STEP BY STEP GUIDE

1. Be guided at all times by the information contained in the QTAC booklet 'Tertiary Prerequisites'. If you have a career path in mind – be aware of the prerequisites, assumed knowledge and recommended subjects. If you are unsure of a future career path – choose subjects that will keep several career options open.
2. Read the outlines for each subject carefully – it is important to select subjects based on interest and ability as well as prerequisite needs.
3. Each subject at Aviation High School has a stated pre-requisite. Please read this carefully. Exceptions can be made but only at the discretion of the Head of Department.
3. Consider School Guidelines for selection.
4. Seek advice from the Guidance Counsellor, if necessary.
5. Complete SET Planning interview
6. Complete the Subject Selection form.
7. For subject changes, see the Deputy Principal.
8. Complete the Application for Subject Change form.

WHO DO I SEE FOR SUBJECT INFORMATION?

Senior Schooling Head of Department

- General subject advice and direction as to who to see for specific information
- Advice on Vocational Courses, school-based apprenticeships or traineeships

Heads of Department

- Advice on the different subjects within their faculty
- Advice on subject changes

Subject Teacher

- Advice on individual capabilities within the specific subject

Guidance Counsellor

- Learning difficulties
- Advice on university courses and alternate pathways
- Advice on subject changes

Deputy Principal

- Subject choices
- Timetables
- Effecting subject changes
- Advice on subject changes
- VPR, Distance Education and External Examinations

ATTENDANCE AND PARTICIPATION

The policy of the school is that students must attend and fully participate in classes. Failure to do so may result in cancellation of enrolment.

What action is to be taken following absence from lessons?

- Obtain documentary evidence to cover the absence. This might include a note from a parent/caregiver, medical certificate, hospital record or any other formal documentation available from a recognised authority.
- Student absences over 3 days must be covered by a medical certificate
- Students who are late to school without an explanation from their parent/caregiver will be required to attend a 30 minute detention after school on the following day.

Should your absence from school result in missed or late assessment you must:

- Contact the subject Head of Department **IMMEDIATELY** you return to school
- Complete a **REQUEST TO COMPLETE DELAYED ASSESSMENT** form for each assessment item missed. Copies of this form are available at C Block Reception.

Failure to attend scheduled lessons for a subject may affect enrolment in the subject.

This could have implications for eligibility to obtain required certificate, and/or tertiary entrance, and/or Centrelink.

YOUTH ALLOWANCE IMPLICATIONS

This school DOES NOT grant pay or arrange Youth Allowance benefits. The arrangement is between the student and Centrelink.

Generally, students will need to participate as full time students. The Principal of the school determines the number of subjects which will constitute a full time workload for each student.

Each term Centrelink makes checks with this school about:

- Student enrolment and attendance
- Student participation in class/assessment activities.

NB: Penalties apply for students who have more than five unapproved absences in a term and/or are not working to a standard required by Aviation High School.

Students should contact Centrelink to arrange Youth Allowance benefits and ensure that they satisfy all Centrelink rules pertaining to these benefits.

ASSESSMENT POLICY

Assessment is viewed as a balanced process which informs student outcomes, achievements and progress. The aim of this policy is to ensure fairness and equity is maintained in all assessment tasks and between all students. This reinforces our focus on academic excellence which supports students to achieve to the best of their potential.

All assessment for every subject **should** be included in the Assessment Planner for each year level.

Assessment includes any assignment, exam, practical, oral presentation or group presentation that is a student performance measurement instrument.

Assessment can mean any work done in class, at home or in the student's own time. This may range from written assignments, multimedia presentations, oral presentations, performances, field studies and practical work.

1. **Common assessment practices across the whole school:**

- Every student will receive a unit and assessment overview in each subject
- Overviews (where applicable) will contain:
 - topics to be studied
 - assessment tasks for the semester
 - monitoring date(s)
 - due date
 - excursions

Overviews will be handed out and filed into student books for easy reference.

2. **Every assessment task will have a cover sheet showing the following information:**

(where applicable)

- Topic or content
- Task requirements
- Date of issue, due date
- Marking criteria sheet
- Declaration verifying the authorship of student work
- Appropriate monitoring guidelines
- Delayed assessment/special provisions application/attachments
- Version control

This should be given to students in sufficient time to ensure adequate preparation be given to each assessment task.

3. **Assessment Accountabilities:**

Heads of Department have assessment responsibility for ensuring that:

- Assessment is appropriate and relevant to the teaching and learning program
- All students are catered for through the variety and scope of assessment tasks
- Assessment meets program criteria
- Assessment loads are reasonable within QCAA and curriculum standards
- Assessment is fair and consistent across classes
- They negotiate additional time for completion of work and delayed assessment

Teachers have assessment responsibility for ensuring that:

- Assessment is appropriate and reflects work covered
- Assessment tasks are proportional to time allocated for units of study
- Student needs are catered for – ie students with special needs have assessment items adjusted accordingly in consultation with support staff and HOD
- Students have access to adequate resources to complete required assessment

- Students are fully aware of criteria for assessment and are given adequate time to complete assessment
- The necessary skills required to complete the type of assessment given have been covered
- Students are given regular feedback opportunities
- Students at risk of not completing assessment require parental contact via email.
- There is follow up for students who have not completed assessment

Students have assessment responsibilities for:

- Completing and submitting assessment tasks **on time** and to a satisfactory standard
- Submitting drafts of work as required and using time management strategies
- Communicating if difficulties arise that require additional time **before** the due dates
- Following school's attendance policy
- Submitting their own work and comply with the Academic Ethics policy

4. **Non-submission of Work:**

An 'E' Grade for a particular assessment cannot be awarded where there is no supporting evidence. Absence of any evidence should be documented as a 'not submitted'. When non-submission of assessment prevents a teacher from making valid judgements about a student's coverage of a course of study, the student may receive a 'not rated' for the particular semester. In this case, the HOD reserves the right to make the decision not to give credit for the semester. This means that the student may still receive a level of achievement based on available evidence matched against syllabus exit standards, but the number of semesters of credit recorded on a Senior Certificate needs to reflect the relative coverage of the course of study. The Principal needs to be notified of any such situations.

In extreme cases of non-submission and significant lack of evidence, the Principal may consider the course coverage and achievement in the objectives of the course of study to be insufficient to be able to award a level of achievement for the subject. This may jeopardise a student's eligibility for an OP and/or a QCE. In this situation, *s42 and 43 Education (QCAA) Regulations 2002* apply. Further information is available on www.QCAA.qld.edu.au

In all cases, students and their parents/caregivers are to be informed in writing of any decision and possible consequences that may result.

Semester Report Cards

To be awarded a semester Level of Achievement students must show evidence to meet all criteria from the assessment plan for the semester, otherwise the teacher will assign a 'not rated' (NR) on the report.

5. **Request to complete delayed assessment:**

All applications for extensions must be made prior to the due date of the assessment task. In particular, extensions of time for orals will not be granted on the same day students are to present their orals. The Head of Department of the relevant subject area must process all applications for additional time. Applications for additional time should be supported by a medical certificate or other official documentation and by evidence of work completed to date.

Where a teacher is absent for a prolonged time, or there are other identified disruptions to the school routine, there may be some adjustment to the due dates for submission of assessment in consultation with the HOD and subject teachers. In which case such a delayed due date may apply to all classes of the subject to ensure consistency in the assessment program.

6. Special Requirements:

Orals

On the first day the class orals begin, all students must submit a copy of the notes/palm cards they intend to use for their presentation. This makes the preparation time equitable for all students. Students absent on this day should, at least, email their notes/palm cards to the class teacher to arrive in time.

In the case of group orals where absence occurs, the group is to complete the task with a substitute who works from the group script. Group members will be individually assessed on that performance. To ensure ease of access by a substitute, all group members must keep a copy of the whole group script. On the first day of return to class, the absent student is expected to complete the oral, with other group members merely supporting the process.

Assignments

Assignments must be the student's **own work**. Every assignment has designated class time. Students are required in this time to display evidence of their input into the assignment content/outlines. *See Assignment Policy.*

The completed assignment (or the draft copy) must be submitted by the due dates unless an extension has been granted by the subject Head of Department, based on exceptional circumstances such as:

- Extended absence due to illness (this must be supported by a medical certificate) or other school approved reason. In either of these circumstances a **REQUEST TO COMPLETE DELAYED ASSESSMENT** must be completed and submitted before the due date of the assignment.
- Absence due to illness or bereavement or other special circumstances on the due date. This must be supported by a medical certificate or other documentary evidence. In such cases it is advisable to try to submit the assignment to the school via a friend or relative. **It is the students responsibility to ensure the assignment is submitted on time.**

Aviation High School refers to the Queensland Curriculum and Assessment Authority policy in relation to "Late Submission and Non-Submission of student responses to Assessment Instruments in Authority and Authority-Registered subjects".

[Student late and non-submission policy statement \(PDF, 74 kB\)](#)

Should an assignment NOT BE submitted by the due date and no extension or "*Special Provisions*" be given, you will be assessed on the rough copy/draft and any other evidence available at the due date.

Tests

Should a test be missed for reasons such as illness, bereavement or other special circumstances the following procedures apply:

- Fill out a **Request to Complete Delayed Assessment** form
- Submit the completed form to the Head of Department **IMMEDIATELY** on return to school
- Approval must be given by the subject Head of Department
- Approved form is then attached to the assessment item

This application **must** be supported by a medical certificate or other documentary evidence.

Should no extension or special provisions be given, the student will be required to sit the test on the first day back at school.

Exam Block Conditions

- All students are to stay in the room for the first 30 mins
- No entry to the room after the first 30 mins
- Students may not leave in the final 10 mins

Where appropriate and permitted by the Queensland Curriculum and Assessment Authority (QCAA) in a subject, a task may be revisited. **This will not occur in all subject areas.** Check with the subject teacher to see if this applies in the subject. Revisiting will be possible if:

- It takes place within a week of receiving the results of the original assessment piece.
- The conditions of the original assessment piece can be met.
- It is understood that the revisitation must replace the original performance no matter what the result.

Competency Based Testing (Vocational Courses)

Under Competency Based Training student's are judged as "Competent" if they demonstrate success in all the learning outcomes relating to a module/unit. Each Vocational subject has a number of industry related modules embedded. Three attempts can be made to pass a competency test.

Requirements for testing are:

- All students undertake testing at the first scheduled opportunity
- One retest will be allowed within **two weeks** of completion of the failed test
- A second retest will be allowed if the student can show evidence of undertaking further work to increase competence. This retest will be completed in the student's own time.
- Failure to show competence on the third attempt will lead to a "Not Yet Competent" result being recorded, and to gain competency the student must revisit the complete unit of competency.

Recognition of Prior Learning (RPL)

Some Authority-registered and some Authority subjects contain vocational competencies that contain underpinning industry knowledge and work related skills.

Therefore, when a student commences Senior studies they may feel that they already have achieved competencies in a previous study or work experiences.

If the student feels they have sufficient prior experience and skills they may apply for 'Recognition' for those specific units of competency. The student will need to obtain an RPL Application Form and submit it, with evidence such as testimonials, qualifications, through the Vocational Education Head of Department.

7. **Failure to submit Work due to Malfunctions of Computers and Peripheral Devices:**

Where assignments are completed on a computer, it is the student's responsibility to ensure that clear evidence of hard copies and/or printed drafts are kept. These will be used to substantiate the level of task completion in the event of computer crashes, loss of USB devices, printer malfunctions etc. Students are advised to keep duplicate copies of all assignments in their network folders at the school and to email drafts to their teachers.

8. **Plagiarism:**

The schools plagiarism policy will be adhered to in all forms of assessment and consequences for non-compliance will be enforced. The full plagiarism policy is on the school website and in the student homework diary/handbook.

9. **Special Provisions for Senior Assessment:**

Aviation High School refers to the QCAA policy in relation to “Special Provisions for School-based Assessments in Authority and Authority Registered subjects”. Special provision means making reasonable educational adjustments to assessment conditions that ensure equitable assessment for all students. Special provisions may apply to any student, depending on the circumstances. In making a decision about special provision, the school must take into account the mandatory and significant aspects of the subject outlined in the syllabus and the school's work program. Equity in assessment requires that all students have an opportunity to demonstrate their current knowledge and skills, free from bias and misrepresentation. Students with specific educational needs should liaise with the Head of Department if they require special consideration. Details of the policies for special provisions can be found in the following links:

[Policy on special provisions for school-based assessments in Authority and Authority-registered subjects \(PDF, 94 kB\)](#)

The school sets assessment items to gather evidence to support school judgements regarding subject achievement. The school will consider and endeavour to implement “Special Provisions” for students who have specific educational needs which may include:

- Physiological disabilities
- Linguistic factors
- Socio-economic circumstances
- Short term illnesses
- Life circumstances
- Special talents

Students and parents should be aware that the syllabus mandatory requirements including 55 hours of subject class time per semester need to be met by students. i.e. students must participate and engage in the “course of study”. A special provision refers to modification of assessment where reasonable adjustment is considered appropriate.

10. **Grievance Procedures:**

Should a student feel that the assigned assessment level is not appropriate then:

- Discuss the issue with the teacher concerned
- If necessary consult the subject Head of Department who may arrange for a second opinion
- An appeal on the decision may be made in writing to the Principal

11. **Student Scripts in the Senior School:**

For interschool comparability purposes it is necessary for the subject area to store assignments and tests at the school. However, students have the right to access those worked items and profile.

Year 12 student work used to determine Exit levels of achievement must be kept at the school until all appeals are finalised. If a student wishes to arrange for the collection of certain assessment items from the school they should notify the subject HOD in February for collection after 31 March of the year following completion of Year 12.

12. **Academic Ethics:**

Students are expected to undertake their assessment honestly, ethically and in accordance with accepted standards of academic conduct. Any contrary behaviour is academic misconduct, for which serious consequences may be applied.

Examples of academic misconduct may include:

- Collusion
- Cheating
- Plagiarism, ie knowingly presenting the work or property of another person as if it were one's own

It is imperative that all sources of information are acknowledged by a student that have been used in developing assignments.

The Aviation High School library has developed an up-to-date handout on BIBLIOGRAPHY & REFERENCING for student use. Please see the class Teacher or Librarian for a copy of the format used in the subject.

Please refer to the schools Plagiarism Policy which should be read in conjunction with the Assessment/Assignment Policy.

Consequences for breaches of academic ethics will depend on the degree of severity and the year level involved. **Please refer to the schools Academic Ethics Policy.**

The appropriate penalties for academic misconduct will be as determined by the Head of Department, in consultation with the class teacher and may involve the Deputy Principal and/or the Principal.

Parents/caregivers will be notified of any significant infringements of academic ethics.

QCS TEST AND SAIs (YEAR 12)

The Queensland Curriculum and Assessment Authority (QCAA) ensures comparability of results between schools with a series of measures. These include a review of students' work by District and State Review Panels, scaling of results by way of the QCS test and use of the school determined Subject Achievement Indicator (SAI).

It is important for all students to do as well on the QCS test as possible. It is **compulsory** for all OP eligible students to attend the QCS test preparation program.

The SAI is a number given by the school to indicate each student's relative position within each authority subject in the school. It is Queensland Curriculum and Assessment Authority policy that students have access to this information as it is significant in contributing to their OP. It will be available on completion of Year 12.

PLAGIARISM POLICY

Aviation High School accepts the University of Queensland's definition of plagiarism:

"Plagiarism is the action or practice of taking and using as one's own the thoughts or writings of another, without acknowledgment. The following practices constitute acts of plagiarism and are a major infringement of the University's academic values:

- Where paragraphs, sentences, a single sentence or significant parts of a sentence are copied directly, and are not enclosed in quotation marks and appropriately referenced;
- Where direct quotations are not used, but are paraphrased or summarised, and the source of the material is not acknowledged by referencing within the text of the paper; and
- Where an idea which appears elsewhere in printed, electronic or audio-visual material is used or developed without reference being made to the author or the source of that material."

How can you avoid plagiarism?

To avoid plagiarism, you must give credit whenever you

- quote from someone's actual spoken or written words
- use another person's ideas, opinions, or theories in an assignment or essay
- make use of pieces of information, such as statistics, graphs, drawings, that are not common knowledge
- paraphrase another person's spoken or written words

How can you avoid unintentional plagiarism?

- Use quotation marks around everything that comes directly from a text or article.
- Try to summarise ideas and arguments in your own words - don't just rearrange a few words here and there.
- Think about what you have read, and give yourself time to take it all in.
- Check that you have correctly paraphrased the original ideas.
- Develop your own ideas. In that way you will be referring to the source material in a more general way.
- Don't waste time. Give yourself enough time to research, take notes, think and write your drafts and final piece. That's why you are given several weeks to research.
- Check your final piece against the original text.

University of Queensland (2002) <http://www.library.uq.edu.au/training/plagiarism.html>

Plagiarism is NOT accepted at Aviation High School

BIBLIOGRAPHY

Lewis, D. (2002) *The Written Assignment: A Guide to the Writing and Presenting of Assignments*, Brisbane: Queensland University of Technology Publications and Printing.

Queensland University of Technology Handbook (2001), Brisbane: QUT Publications and Printing.

University of Dalhousie (2002) *Academic Calendar General Info. University Regulations* [Online]. Available: <http://www.registrar.dal.ca/calendar/front/UREG.htm#UREG169> [17 June 2003]

University of Queensland (2002) *UQ Handbook of University Policies and Procedures, Policy 3.40.12* [Online]. Available: <http://www.library.uq.edu.au/training/plagiarism.html> [17 June 2003]

PROPOSED SUBJECT OFFERINGS

YEAR 11

Students must choose an English, Mathematics and 4 more subjects. Then choose 2 alternatives. While every effort will be made to satisfy students' first preferences subjects will only run if sufficient students choose them and resources are available.

AREA	SUBJECTS ON OFFER			
ENGLISH	<u>English</u>	English Communication*		
MATHEMATICS	<u>Mathematics A</u>	<u>Mathematics B</u>	<u>Mathematics C</u>	Prevocational Mathematics*
SCIENCE	<u>Aerospace Studies</u>	<u>Biology</u>	<u>Chemistry</u>	<u>Physics</u>
HUMANITIES	<u>Modern History**</u>	<u>Geography**</u>		
HPE	<u>Physical Education</u>	Recreation*		
THE ARTS	<u>Visual Art</u>	Art in Practice		
TECHNOLOGY	<u>Accounting</u>	<u>Business Communication Technologies</u>	<u>Business Management</u>	<u>Graphics**</u>
	Aeroskills Studies (4 sem)*	Information Communication & Technology*		
Certificate Courses/VET	Certificate II in Business*	Certificate II in Hospitality*	Certificate III in Fitness*	Certificate III in Aviation*

*These subjects are Authority registered subjects and do not contribute to an OP

** These subjects will run as a composite and it is very likely that they will be offered through Brisbane School of Distance Education in Year 12.

LINE 1	LINE 2	LINE 3	LINE 4	LINE 5	LINE 6
<u>ENGLISH</u>	<u>MATHEMATICS A</u>	<u>VISUAL ART/ART IN PRACTICE</u>	<u>BIOLOGY</u>	<u>PHYSICS</u>	<u>BUSINESS COMMUNICATION TECHNOLOGY</u>
ENGLISH COMMUNICATION	<u>MATHEMATICS B</u>	<u>MATHEMATICS C</u>	<u>MODERN HISTORY**</u>	<u>GRAPHICS</u>	<u>CHEMISTRY</u>
	PRE VOCATIONAL MATHEMATICS	<u>ACCOUNTING</u>	<u>AEROSPACE STUDIES</u>	<u>BUSINESS MANAGEMENT</u>	CERTIFICATE III IN AVIATION/RPL*
		BUSINESS STUDIES (Cert II)*	<u>PHYSICAL EDUCATION/RECREATION*</u>	<u>GEOGRAPHY**</u>	INFORMATION COMMUNICATION TECHNOLOGY*
			HOSPITALITY CERT II*	TECHNOLOGY STUDIES – AEROSKILLS*	

SUBJECT OFFERINGS

Pre-Requisites for OP Subjects

Students wishing to choose Authority Subjects must have a pass of C or above in Mathematics or English or both as indicated in subject descriptions. Where a subject is oversubscribed, entrance will be decided on criteria based around academic performance.

ACCOUNTING

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0060 – counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITES

Year 10 English – C

OVERVIEW

Accounting is designed for students in the senior phase of learning who have a special interest in business studies and in the management of financial resources. The course is designed not only to provide a foundation in the discipline of accounting, but also to prepare students for further education, training and employment.

The study of accounting enables students to understand the processes involved in generating, recording, classifying, analysing, interpreting and reporting accounting information as a basis for planning, control and effective decision making. Students are provided with opportunities to develop skills in managing financial resources which can be applied at a personal level and in the business environment. They are encouraged to think logically, to apply accounting principles in a consistent and effective manner, and to become independent learners.

The changing processes of accounting practice are recognised, especially with respect to the development and use of new information and communication technologies (ICTs). Students will use information technology to enable them to apply the accounting process in business. Completion of this course should enable students to participate more effectively and responsibly in a changing business environment.

COURSE OUTLINE

During the course, students will study:

- Principles of double-entry accounting
- Preparation of accounting records and reports to indicate financial performance, financial position, cash flow and budgeted cash position
- Accounting for the GST
- Use of information and communication technologies relevant to the preparation of accounting records and reports – accounting packages and spreadsheets
- Control of the major financial elements of a business – cash transactions, inventories and non-current assets
- Analysis and interpretation of financial reports in order to make decisions
- Managerial decision making including cost-volume-profit analysis
- Electronic business
- Personal financing and investing.

ASSESSMENT

A variety of assessment techniques will be used. These include:

- Supervised written assessment
- Practical assessment
- Extended response
- Assignments.

The assignments are designed for students to research a specific theory or practical topic over extended time periods.

AEROSKILLS STUDIES

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority-Registered subject (6089). Does not contribute towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

KEY ELEMENTS IN AEROSKILLS STUDIES COURSE

- Introduction to the aircraft industry
- Safety in the aircraft industry workplace
- Basic aerodynamics
- Selection and application of hand and power tools
- Maintenance practices
- Basic aircraft hardware
- Basic aeroplane structures and materials
- Propulsion systems
- Propeller fundamentals
- Basic electrics and electronics

OVERVIEW

This program aims to provide the students with an introduction to the principles of flight and an understanding of an aerospace working environment.

Students will use machines and hand tools to complete projects in a diverse range of flight related projects. Students will learn how to fly remote controlled electric powered planes on the school oval, firstly by refining their skills on a computer flight simulator program. Students will also learn how to use the vinyl cutter, computer controlled lathe, brazing and soft soldering equipment and learn basic sheet metal fabrication.

Students may use our Flight Simulation facility to aid in learning the different aspects of the course content.

Projects may include:

- Rubber band indoor planes
- Catapult gliders
- Pneumatic powered rockets
- Chuck gliders
- Propeller making & testing
- Laser cutting projects
- Remote control planes
- Remote control/storage box (sheet metal)

EXCURSIONS

Students may visit an Aircraft maintenance facility. This may incur an additional cost.

ASSESSMENT

Assessment will comprise of:

- Classwork projects
- Aeroskills Research Assignments

SUBJECT CHARGE

This will cover:

- Workshop Materials
- Hardware Items
- Work Booklets

AEROSPACE STUDIES

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0055 – counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITES

Year 10 English - C

Year 10 Mathematics - C

Year 10 Science - C

The areas of study in Aerospace Studies are relatively wide, and in order to expect success in this subject, students should have a sound background in Mathematics, Science and English at a Year 10 level. While it is not essential, it would be helpful to study Mathematics B which is both supportive of, and inter-related with, Aerospace Studies.

OVERVIEW

The aerospace industry is characterised as a highly structured and ordered environment, and the Senior syllabus in Aerospace Studies provides students with an opportunity to gain an understanding of the underlying principles of aviation and aerospace, including the structure, management and regulation of aviation and aerospace businesses and enterprises.

Students will use our Flight Simulation facility to aid in learning the different aspects of the course content.

COURSE DETAILS

Topics Studied – Year 11 & 12

The course consists of four required areas of study through a thematic approach, and various major and minor topics supporting each area of study.

The four primary areas of study are:

- Aeronautics and Astronautics
- Safety Management Systems
- The Business of Aviation and Aerospace
- Aviation Operations

The four themes used to gain understanding of the four areas of study at Aviation High School are:

- Basic Aeronautical Knowledge and Private Pilot's License theory
- History of Aviation and Aerospace
- Construction and Design
- Business and profitability of the Aerospace Industry

Many aircraft are considered in detail during the course, but greater emphasis will be placed current generation Commercial Airline Jets, Military Technologies and UAV development.

PRIVATE PILOT'S LICENCE (optional, will incur a fee)

In 2014 it is planned to integrate the ability for students to work towards gaining their Private Pilot's Licence. This will be accomplished by delivering the theory component to pass C.A.S.A. exam requirements for the licence and for the students to spend one afternoon a week at a flight training facility to gain the required flying experience. It is proposed that by at the conclusion of year 12 the students will have attained their private pilot's licence with approximately 55 hours of logged flight hours. The cost of this will be met by the student, however, this will be at a significantly lower price of doing this independently of the school.

EXCURSIONS

Some field experience trips are planned to local and other sites which may involve travel costs. In some excursions the expenses may be covered by the industry partners and are aimed at giving students exposure to various aviation industries. These may incur an additional cost.

ASSESSMENT

The assessment program includes:

- written tests
- extended written responses
- research reports
- responses to stimulus materials
- non-written presentations and projects.

These will be set in both Years 11 and 12.

CERTIFICATE II IN AIRCRAFT LINE MAINTENANCE

Offered by Aviation Australia

Course Code: **MEA20515**

This course is conducted by a third party RTO. This course is subject to availability and course commencement is decided by the RTO.

Passing the Certificate III in Aviation enables the student to pursue an entry point career path in ground operations and service at airports, charter companies and tourism operations.

Students would attend the outside training facility one day per week for two years.

Sample Course Structure

Core

Unit code	Unit title
MEA101	Interpret work health and safety practices in aviation maintenance
MEA103	Plan and organise aviation maintenance work activities
MEA105	Apply quality standards applicable to aviation maintenance processes
MEA107	Interpret and use aviation maintenance industry manuals and specifications
MEA108	Complete aviation maintenance industry documentation
MEA109	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance
MEA117	Apply self in the aviation maintenance environment
MEA119	Perform administrative processes to prepare for certification of civil aircraft A level line maintenance
MEA240	Use electrical test equipment to perform basic electrical tests
MEA264	Remove and install aircraft electrical/avionic components during line maintenance
MEA265	Remove and install general aircraft electrical hardware
MEA344	Remove and install aircraft components
MEA418	Perform basic repair of aircraft internal fittings during line maintenance
MSAENV272B	Participate in environmentally sustainable work practices
MEA345	Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft

Pathway Outcomes

Further study is required but possible outcomes include:

- Apprenticeship
- Aircraft Line Maintenance Engineer (Qualified)

Location

- Aviation Australia - 20 Boronia Road, Brisbane International Airport
- Public transport to the door

Cost

To be confirmed.

CERTIFICATE III IN AVIATION (Ground Operations and Service)

Offered by Airways Aviation

Course Code: AVI30416

This course is conducted by a third party RTO. This course is subject to availability and course commencement is decided by the RTO.

Passing the Certificate III in Aviation enables the student to pursue an entry point career path in grounds operations and service at airports, charter companies and tourism operations.

Course Objective

Upon successful completion of the course, a student will gain a range of technical and non-technical skills to operate effectively in a broad range of ground operations and service roles. Students will gain an understanding of the routines, methods, procedures and judgement required in the delivery of services and use of equipment within known time constraints. Students will also enhance their employability skills including communication teamwork, initiative and enterprise, planning and organising, self-management and problem solving.

Entry Requirements

Domestic students (part-time)

- Must be commencing Year 11
- Will complete course over an 18 month to 2 year period

Course Overview

The course involves the study of 21 units of competency covering a broad range of fields. These include communication and calculations, safety, teamwork, customer service, quality, security, management and leadership, tourism sales and operations, technology, equipment and systems. Units are logically clustered together offering students a course structure in which knowledge and skills can be consolidated. Students participate in a range of 'face-to-face' theory and practical sessions conducted on site at an Airways Aviation Academy.

Teaching and learning strategies include:

- Discussions
- Group work
- Practical sessions
- Case studies
- Self-study sessions
- Presentations
- Aviation workplace and airport visits
- Written assignments

Course Details

The 18 month, part-time program offers the gradual consolidation of knowledge, skills and abilities. It is ideal for senior high school students wishing to train for a position in the aviation industry whilst completing their final years of schooling. The part-time program is available for domestic students only.

Sample Course Structure

Core

Unit code	Unit title
AVIF0001	Apply aircraft safety procedures
AVIF0012	Apply aviation work health and safety procedures
AVIF2010	Implement regulations and policies during aviation safety and service operations
AVIG2002	Work effectively in the aviation industry
AVIJ2001	Contribute to the achievement of on-time performance standards
AVIZ2050	Maintain security awareness and vigilance in an aviation workplace
TLIE3004	Prepare workplace documents
TLIJ3002	Apply quality systems
TLIO3007	Undertake emergency response action to a security threat
AVIE0001	Operate aeronautical radio
AVIF0014	Manage human factors in aviation operations
AVII0001	Advise on major services and attractions at aviation destinations
AVII0002	Provide quality customer service
AVII2007	Check in aircraft passengers

Unit code	Unit title
AVII2008	Provide assistance to transit and arriving passengers
AVIW2029	Operate aircraft refuelling nozzle
BSBFLM312	Contribute to team effectiveness
SITTTSL010	Use computerised reservations or operating systems
SITTTSL011	Source airfares for domestic flights
TLIE3012	Consolidate manifest documentation
TLIK2010	Use info technology devices in the workplace

Course Assessment

The Airways Aviation assessment policy ensures only appropriately qualified and competent staff deliver and assess courses. Effective assessment is achieved through a collective team approach with direct involvement from the student, their primary instructor and course manager. Instructors ensure all assessments follow the principles of reliability, fairness, validity and flexibility.

Formative assessment involves monitoring learning progress during instruction and providing the continuous feedback of learning successes and areas requiring remedial work. Summative assessment evaluates student competency against predetermined performance criteria at the end of a unit of study.

Assessment methods include but are not limited to:

- Observation using checklists
- Role plays
- Completion of workbooks
- Presentations
- Case study reports
- Written responses
- Multiple choice

Cost

To be confirmed.

RECREATIONAL PILOT LICENCE (RPL)

Offered by Airways Aviation

What is a Recreational Pilot Licence (RPL)?

A recreational pilot licence (RPL) is a new flight crew licence introduced on 1st September 2014. It authorises pilots to fly light, single-engine aircraft as the pilot-in-command independently of a flying school, without supervision.

The RPL replaces the student pilot licence and general flying progress test (GFPT) that existed under the Civil Aviation Regulations 1988. It is also available to pilots who have an RA-Aus pilot certificate.

Before operating independently of a school, new RPL holders should make sure they are fully aware of their new responsibilities. Initially, pilots need to complete a flight review with an instructor and make sure they are familiar with the new regulations and their responsibilities when exercising the privileges of their RPL.

How can I get an RPL?

You need to be at least 16 to get an RPL. For each category rating you want to obtain you need to:

- Complete the relevant flight training
- Undertake a general English language assessment (only required for the first category rating)
- Pass an RPL theory exam (this can be set and conducted by your flying school)
- Pass an RPL flying test
- Have at least 25 hours flying time, including a minimum of 20 hours dual and five hours as pilot-in-command

Training for your licence, ratings or endorsement (except design feature endorsements and flight activity endorsements) must be undertaken through a flying school which is authorised under part 141 of the Civil Aviation Safety Regulations.

You need to have either a Class 1 or 2 medical certificate or a recreational aviation medical practitioner's certificate to take the RPL flight test.

Recreational Pilot Licence (Aeroplane)

Duration:	Part-Time
Qualification:	Recreational Pilot Licence
Locations:	Gold Coast, Caloundra
Aircraft Type 1:	Cessna 172
Cost:	\$13200.50

BIOLOGY

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0042 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 English – C

Year 10 Maths – C or 10A Maths – C (core only)

Year 10 Science – C

OVERVIEW

This subject is a study of the natural systems of the living world. There are two broad aspects to these natural systems.

One is concerned with the study of the many different kinds of plants and animals and their interactions with each other and with the non-living parts of their environment.

The other aspect is the study of the internal workings of the body systems of animals and plants.

How does Biology help students?

The study of Biology as a science subject provides students with two main skills:

- An understanding of the ways scientists approach the solution of problems which are relevant to the living world and
- The processes of science which lead to the discovery of new knowledge.

This course helps students understand the workings of their own bodies as well as the relationship between themselves as living organisms and other life forms. It also develops and enhances certain manipulative skills and thinking skills which can be used to solve problems which arise in students' every day living.

Most importantly, studies in Biology provides students with an interest in the living world around them and an appreciation of their relationships with this world. It encourages them to consider their responsibilities towards their world.

Links to the Aviation Industry are applied in studies of Disease Control and Environmental Impact Assessment particularly in relation to the management strategies applicable to Brisbane Airport.

COURSE DETAILS

Topics Studied – Year 11

- Organs and Systems
- Reproduction and Physiology
- Ecology
- Human Impacts

Topics Studied – Year 12

- Disease
- Independent Research Project
- Cell Biology
- Genetics
- Evolution

EXCURSIONS

Field Studies are a requirement for completion of the course. Students will visit Natural Ecosystems for this subject. These may incur an additional cost.

ASSESSMENT

Students will complete a range of assessment tasks which include:

- in-class tests
- field study reports
- practical experiment reports
- extended experimental investigations.

BUSINESS COMMUNICATION AND TECHNOLOGIES

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0063 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 English – C

OVERVIEW

Business Communication and Technologies (BCT) offers students opportunities to engage in and understand a range of business administrative practices through real-life situations and simulations. The course is designed to provide a foundation in the study of business and to prepare students for further education, training and employment.

Business Communication and Technologies fosters intellectual, social and moral development by encouraging students to think critically about the role and ethical responsibilities of business in society.

COURSE DETAILS

During the course, students may study:

- Business environments
- Managing people
- Industrial relations
- International business
- Workplace health, safety and sustainability
- Organisation and work teams
- Managing workplace information
- Financial administration
- Social media events administration.

ASSESSMENT

A variety of assessment techniques will be used.

These include:

- Supervised written
 - Extended written response
 - Short response
- Research
 - Written research response
 - Analytical exposition
 - Report
 - Spoken research response
 - Multimodal research response
- Extended response
 - Written extended response
 - Spoken extended response
 - Multimodal extended response.

BUSINESS MANAGEMENT

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0062 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 English – C

OVERVIEW

Studying Business Management lets students be creative and innovative as they learn how businesses are managed, and understand the important role that managers play in business.

In Business Management, students will explore the main functions of businesses and the ways that these functions work together to achieve business goals. Students will work in partnerships, small groups and teams as they navigate through the decisions that business managers often face.

Students will participate in practical and authentic business situations. This may involve students using innovation and creativity to develop feasibility studies or undertake business ventures.

COURSE DETAILS

While studying Business Management, students will explore key concepts relating to:

- Management practices
- Marketing management
- Operations management
- Human resource management
- Finance management
- Business development.

Business Management allows students to learn about these areas of study in relevant contexts, such as international business, small-to-medium enterprise, industry-specific and not-for-profit management.

ASSESSMENT

Assessment tasks will include:

- Examination
 - Short response test
 - Extended response test
- Extended response
 - Extended research response
 - Extended response to stimulus
- Multi-modal presentations
- Feasibility study.

BUSINESS CERTIFICATE COURSES

Certificate II in Business

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

NVR – Certificate II in Business Code: BSB20115. This course is subject to Human and Financial Resources as well as registration with HELP Training Institute.

The qualification contains 12 units of competency and completion of all 12 units will earn a student 4 credit towards their Queensland Certificate of Education. Partial completion of the Certificate II will be based on the percentage of competencies attained (25%, 50%, and 75%) e.g. completion of 6 units will earn 2 credits. Students will receive a Statement of Attainment for partial completion of the qualification or a Certificate if all units are satisfactorily completed.

BENEFITS OF VOCATIONAL EDUCATION AND TRAINING

National qualifications recognised by industry

Insight into career pathways and further education pathways

Interaction with people in industry

Credit for or articulation of qualifications to reduce time in further study or an apprenticeship

A QTAC Selection Rank (if required)

Completed Certificates contribute points towards the Queensland Certificate of Education

VET results recorded on Senior Certificate where applicable and an industry specific vocational Certificate or Statement of Attainment

Competency Based Training and Assessment

Recognition for relevant skills and knowledge achieved before studying your VET course (RPL)

This qualification reflects the role of individuals who perform a range of routine tasks using limited practical skills and fundamental operational knowledge while working under direct supervision.

OVERVIEW

This course provides students with the opportunity to achieve BSB20102 Certificate II in Business. This qualification reflects the role of individuals who perform a range of mainly routine tasks using limited practical skills and fundamental operational knowledge in a defined context, working under direct supervision.

- Administration Assistant
- Clerical Worker
- Data Entry Operator
- Information Desk Clerk
- Office Junior
- Receptionist.

This course will help students to develop their skills in customer service, occupational health and safety, as well as learning how to create documents, presentations and publications. Specific units of competency may alter.

ASSESSMENT

COMPETENCY BASED ASSESSMENT

Competency based assessment is a system for assessing a person's knowledge and skills. Assessment is based on the actual skills and knowledge a person can demonstrate in the workplace or in other relevant contexts. This is different from some other assessment systems which only measure knowledge and not the application of that knowledge. Another difference is that an individual must demonstrate competency in *all* of the required tasks in order to be recognised as competent overall.

COSTS

\$50 per year – student administration fee (this is remitted by the school to HELP Training Institute) plus resource charges.

ENTRY REQUIREMENTS

There are no entry requirements for this qualification.

RECOGNITION OF PRIOR LEARNING

If what you have learned at work, from other courses, from life experience or training provided at work is relevant to this course, you may be entitled to gain subject credits or exemptions. Help Enterprises is obliged to recognise the AQF qualifications and statements of attainment issued by other registered training organisations. For further information, please discuss this process with your trainer at the time of enrolment.

EMPLOYABILITY SKILLS

Employability skills are embedded in training and assessment. Information on the employability skills relevant to this qualification can be obtained by visiting <http://www.training.gov.au> and using the search function to find and download the qualification document in PDF or Word format.

CHEMISTRY

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject — counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITES

Year 10 English – C

Year 10 Maths – B or 10A Maths - C

Year 10 Science – B

OVERVIEW

Chemistry is a modern science that investigates the nature of matter and its transformations. This course endeavours to use the chemistry that is constantly changing the world “within you and without you”. Learning takes place in a context such as Forensic Chemistry, Energy and Transport and more. The course is designed to enable the student to see the relevance of chemistry by using an investigative approach.

Aviation High will use local, human and physical resources to demonstrate the relevance of this subject to the lives of others and make many connections to aspects of the Aviation Industry.

COURSE DETAILS

Topics Studied – Year 11

This chemistry course is based on the following contexts of study.

- Materials
- Water
- Transport and hydrocarbons
- Atmosphere

Topics Studied – Year 12

- Swimming Pools and equilibrium
- Electrochemistry
- Manipulating Molecules
- Forensic Chemistry

EXCURSIONS

Some mandatory excursions will be undertaken in order to show students the relevance of chemistry in the domestic, business and industrial worlds outside the classroom. These may incur an additional cost.

ASSESSMENT

Over the two year course three types of assessment instruments will be used.

1. Supervised assessments
2. Extended response tasks
3. Extended experimental investigations

Non-test instruments form a significant part of the assessment schedule.

Criteria for the assessment of each test instrument is derived from the general objectives:-

- Knowledge and conceptual understanding
- Investigative processes
- Evaluation and concluding

Both class time and the student’s own time are needed for completion of assessment.

ASSIGNMENTS/TESTS

Students will be expected to continue set assignments at home, especially in the preparation of Extended Experimental

ENGLISH

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority subject 0001 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 English – C+

OVERVIEW

In studying English, students focus on developing understandings about Standard Australian English and how to use it appropriately, effectively and accurately for a variety of purposes. Senior English helps students enjoy language and empowers them as creative and imaginative, purposeful and critical language users who know how texts convey and transform personal and cultural perspectives. Senior English is the study of language and this is achieved through the medium of texts.

Students use language purposefully to make meaning of experiences of real and imagined worlds, to interact with others and to construct coherent and cohesive texts.

This course of study builds on the foundations which students have developed in their middle schooling.

COURSE DETAILS

Topics Studied – Year 11

Semester 1: **I Still Call Australia Home**

There will be a focus on looking at representations of Australia in a variety of texts.

Print Media, Australian Contemporary Novel, Contemporary Film, Electronic texts

Semester 2: **Conflict**

Prose Text, Drama Text, Poetry

Topics Studied – Year 12

Semester 3: **Ego is not a Dirty Word**

Australian Film, Shakespearean Drama, Prose Text

Semester 4: **Shaping the Future**

Novel, Short Stories, Film, selected readings, Drama and Poetry, Multimedia texts

EXCURSIONS

Excursions and performances are organised if and when deemed educationally beneficial. These may incur an additional cost.

ASSESSMENT

Students will be assessed in a variety of ways and in continuous mode. Assessment is both written and oral. At least one piece of assessment per semester will be under controlled conditions.

Students are expected to present assignment work in a word processed format. Some work must be completed using computers. Year 11 is formative and Year 12 is summative.

ENGLISH COMMUNICATION

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

(Year 11 and 12 — Subject 6125)

Authority-Registered Subject – does not contribute towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

OVERVIEW

The main components of the study area, which are all related to cultural identity are:

- Work
- Community
- Leisure

In this program, students learn how to construct a radio show: researching, writing and recording radio content.

In English Communication, more than half of the assessment work is oral.

COURSE DETAILS

Topics Studied – Year 11

- Radio skills:
- Interviewing
- Reviewing
- Researching and reporting
- Informing
- Composing and constructing a radio show
- Novel and Film study

Topics Studied – Year 12

- Advertising
- Novel and Film Study
- Rock and Roll
- Drama
- Major radio Show
- Resume and Job Application Skills

EXCURSIONS

Guest speakers and excursions if deemed educationally beneficial.

These excursions may include visits to radio stations. These may incur an additional cost.

ASSESSMENT

Continuous assessment through written, oral and electronic modes with more than half in oral mode.

Each unit of work culminates in an assignment to demonstrate achievement.

GEOGRAPHY

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0024 - counts towards Overall Position.

Four (4) semesters of sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 English - C

Year 10 Mathematics - C **or** Year 10 Science -C

OVERVIEW

Geography provides a good range of skills and background for the Queensland Core Skills Test (QCS).

Geography is concerned with patterns on the earth's surface, including landforms, climate, vegetation, the built environment and what people actually do with the planet.

Students participate in a variety of interesting and valuable learning experiences. These include:

- Group discussion and reporting
- Debates
- Field studies
- Responding to newspaper articles
- Interpreting and constructing maps
- Interpreting aerial and satellite photographs
- Researching on the internet
- Spatial technologies
- Report writing

COURSE DETAILS

Themes:

- Managing the National Environment
- Social Environment
- Resources & Environment
- People & Development

One theme will be studied in each of the four semesters of the course of study.

This course is designed to comply with 2007 syllabus in Geography. The course will develop spatial literacy, raising students' awareness of spatial technologies and developing their skills to use a range of these. This includes students accessing and/or creating printed and digital images. At least one assessment item will be based on or use ICTs/spatial technologies.

EXCURSIONS

Students will participate in one field trip each semester. These may incur an additional cost.

ASSESSMENT

A range of assessment items including:

- Short Response exercise
- Practical Skills exercise
- Field Report
- Stimulus Response Essay

ASSIGNMENTS/TESTS

The assignments are designed to commence with teacher assistance and students will then research and complete the topic in their own time. Year 11 will model assessment for Year 12.

GRAPHICS

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0076 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITES

Year 10 English – C

Year 10 Mathematics - C

OVERVIEW

Graphics is a course of study that provides an opportunity for students to gain an understanding of graphical communication across a broad spectrum of applications.

The course draws upon the fundamental principles of graphical communication. The principles are developed within a foundation unit and then further applied through contextual units, which typically focus on Business Graphics, Product Design and Built Environment within an Aerospace context.

Graphics is an intellectually challenging subject, which promotes students' personal pride and esteem.

COURSE DETAILS

Topics Studied — Yrs 11 & 12

Manual procedures such as inking, rendering, air-brushing and shading are used to enhance visual quality of the finished products in each contextual unit. Students are taught to use 3D computer software drawing program.

Student's folio work in Yr 11 includes:

- Production Graphics – A lunar Rover
- Built Environment – Airport Kiosk
- Business Graphics – Kiosk Performance

Student's folio work in Yr 12 includes:

- Production/Business Folio – UAV Prototype Plane
- Business Graphics – Regional Airport

Units:

- Business Graphics
- Production Graphics
- Built Environment

SUBJECT CHARGE

This will cover:

- Supply of specialised drawing paper
- Use of rendering supplies and templates
- Colour printing costs
- Binding of presentation folders
- Access to 3D Modelling software packages at the school

ASSESSMENT

Semester 1 and 2 — Formative

Semester 3 and 4— Summative

An assessment plan for Graphics usually consists of:

- Context based folios in production Graphics, Built Environment and Business Graphics
- Each folio will demonstrate planning, refinement and presentation production stages
- A minor exam assessing knowledge understand and reasoning principles.
- A short answer response exam

The information obtained is used to:

- Evaluate student progress and assist students to improve overall performance
- Match student performance against expectations for levels of achievement set down in the school's work program

ASSIGNMENTS

Completion of context based folio work will constitute this area.

SUBJECT CHARGE

This will cover:

- Specialist paper, Rendering supplies, Colour printing costs
- Binding of presentation folders
- Access to 3D modelling

MODERN HISTORY

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0020— counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 English - C

OVERVIEW

In history, as in our everyday life, we ask meaningful questions, collect evidence, sift through it, analyse and evaluate it to produce satisfactory answers to problems of living. These answers provide a context for our own lives and establish a range of values that shape our attitudes, beliefs and behaviours. History remembers the past, explains the present, and gives hope for the future.

The History program provides students with a broad selection of themes and inquiry topics with significant breadth, depth and relevance to the lives of young people. There is a strong focus upon the process of historical inquiry, critical use of sources and the skills of academic writing.

COURSE ORGANISATION

Four to eight themes are studied across two years of study (Year 11 & 12). Themes may include:

- The history of ideas and beliefs
- Studies of conflict
- Studies of power
- Studies of change
- Individuals in history
- Studies of Archaeology
- Studies of Funerary Practices
- Studies of personalities

ASSESSMENT

Five-six assessment items each year selected from:

Category 1:

- *Extended written response to historical evidence*

Category 2

- *Written research tasks*

Category 3:

- *Multimodal research presentation* for example:

A presentation involving any of the visual and performing arts, eg Powerpoint lecture, sculpture, drama, dance, artwork, music, with rationale and key items of evidence. Video or web page that is interpretive and interactive in nature.

Category 4:

Additional test formats

Short answer and stimulus response exams

FUTURE OPTIONS

Studying Modern History provides students with a number of useful life skills, such as critical thinking, research and writing skills, and a meaningful historical context within which to understand their lives and the world around them.

Studies of History develop skills and processes which assist significantly in the transition to a variety of tertiary courses; including Arts, History, Anthropology, Archaeology, Medieval History, Politics, Journalism, Law, Psychology, Social Work, Education, Commerce, Government, Philosophy, English, and Academic and Creative Writing.

HOSPITALITY

(Year 11 & 12)

Certificate II in Hospitality SIT20216

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

This subject is stand-alone VET over two years. Four QCE points will be awarded on successful completion of the course

AUSTRALIAN QUALIFICATION FRAMEWORK STATUS

SIT20216 Certificate II in Hospitality

COURSE OVERVIEW

This qualification reflects the role of individuals who use a defined and limited range of hospitality operational skills. These involve routine and repetitive tasks using practical skills and basic industry knowledge.

CREDIT FOR THE QUEENSLAND CERTIFICATE OF EDUCATION

The qualification contains 12 units of competency and completion of all 12 units will earn a student 4 credit points towards the Queensland Certificate of Education (QCE). Credits awarded for partial completion of the Certificate II will be based on the percentage of competencies attained (25%, 50%, 75%). Students will receive a Statement of Attainment for partial completion of the qualification or a Certificate if all units are satisfactorily completed.

COURSE STRUCTURE

This course is delivered in partnership with HELP Enterprises.

Key Learning areas include:

BSBWOR203	Work effectively with others
SITHIND201	Source and use information on the hospitality industry
SITHIND202	Use hospitality skills effectively
SITXCCS202	Interact with customers
SITXFSA101	Use hygienic practices for food safety*
SITXWHS101	Participate in safe work practices
SITHFAB201	Provide responsible service of alcohol**
SITHFAB204	Prepare & serve espresso coffee
SITHFAB203	Prepare & serve non-alcoholic beverages
SITHCCC103	Prepare sandwiches
SITHCCC102	Prepare simple dishes
SITXCOM201	Show social and cultural sensitivity

*Unit has prerequisite SITXFSA101 Use hygienic practices for food safety

**Unit has prerequisites SITHFAB201 Provide responsible service of alcohol

WHAT CAREER OPTIONS WILL IT GIVE ME?

This Qualification provides a pathway to work as:

- Kitchen hand
- Customer service assistant
- Cafe assistant
- Coffee shop assistant
- Bottle shop assistant
- Supervised employee in function centres
- Fast food positions

After achieving this qualification candidates may undertake SIT30616 Certificate III in Hospitality or Certificate III qualifications in other service industry fields.

EMPLOYABILITY SKILLS

Employability skills are embedded in training and assessment. Information on the employability skills relevant to this qualification can be obtained by visiting <http://www.training.gov.au> and using the search function to find and download the qualification document in PDF or Word format.

ASSESSMENT

COMPETENCY BASED ASSESSMENT

Competency based assessment is a system for assessing a person's knowledge and skills. Assessment is based on the actual skills and knowledge a person can demonstrate in the workplace or in other relevant contexts. This is different from some other assessment systems which only measure knowledge and not the application of that knowledge. Another difference is that an

individual must demonstrate competency in *all* of the requirements of the task in order to be recognised as competent overall.

All students working in the kitchen must adhere to Workplace Health & Safety requirements, i.e. fully enclosed non-slip protective footwear, chef's hat, apron and jacket.

Students may also need to purchase:

- Some specialised ingredients for cookery
- Black pants/skirt, white shirt for function work
- Chef's hat

HELP TRAINING INSTITUTE COSTS

This course fee structure is under Vetis. Therefore if a student has not exhausted their Vetis funding, the course fees are nil. Resource charges still apply.

SUBJECT CHARGE

This will cover:

- Ingredients
- Demonstrations
- Reprographics

MATHEMATICS A

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0036 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 Maths – C or C+ or 10A Maths – C (Core only)

OVERVIEW

Mathematics A provides a general mathematical foundation using aerospace/aviation applications and settings.

The course has three strands studied progressively: Finance, Geometry and Statistics. Two elective topics are also studied: 'Navigation' and 'Networks and Queuing'.

The Mathematics A course allows students to develop:

- Knowledge and skills of computation, estimation and measurement
- A capacity to interpret and analyse information presented in a variety of forms
- The ability to make judgments based on evidence and reasoning
- Justification and communication skills in a variety of forms
- Mathematical skills and concepts required for courses of study, work placements or apprenticeships, and employment.

COURSE DETAILS

Topics Studied – Year 11

- Trigonometry
- Data collection and Presentation
- Measurement
- Scale drawing
- Income and taxation
- Latitude, longitude and time
- Bearing and Direction
- Money Management
- Statistics
- Building and Construction Costs

Topics Studied – Year 12

- Interest
- Present and Future Values of Money
- Probability
- Networks
- Queuing and Critical Path
- Consumer Credit
- Investment
- Navigation
- Sample Statistics
- Data Analysis

ASSESSMENT

Students will be assessed in a variety of ways, including supervised tests. Students are also required to:

- construct models
- use computer software
- write assignments or research articles
- carry out investigations
- oral presentations based on aerospace/aviation topics.
- These alternative assessment items are a compulsory part of the course and must be completed in order to receive credit for this subject.

Year 11 assessment is officially formative. When all Year 12 assessment is completed, the Year 11 items will not directly contribute to the exit level of achievement.

ASSIGNMENTS/TESTS

Each semester will have a minimum of a Mid-Semester test, an End-Semester test and an assignment. Part of the assignment will need to be completed in class time.

MATHEMATICS B

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0037 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 Maths – B or 10A Maths - C

OVERVIEW

Mathematics B provides a strong mathematical foundation using aerospace/aviation applications and settings.

The course, with a strong algebra basis, covers the areas of algebra, trigonometry, statistics, calculus, periodic functions exponential and logarithmic functions and general function study.

The Mathematics B course allows students to develop:

- Knowledge and procedures in advanced mathematical concepts
- Modelling and problem solving ability
- A capacity to justify and communicate results in a variety of forms

COURSE DETAILS

Topics Studied – Year 11

- Trigonometry
- Statistics
- Linear functions
- Periodic functions
- Rates of change
- Quadratic functions
- Differentiation
- Trigonometric functions
- Exponential and logarithmic functions
- Probability
- Antl-differentiation

Topics Studied – Year 12

- Polynomials
- Derivatives of periodic functions
- Exponential and logarithmic functions
- Integration
- Probability distributions
- Optimisation
- Finance
- Graphs of general functions
- Trigonometric equations

EXCURSIONS

There are no excursions planned in this subject. These may incur an additional cost.

ASSESSMENT

Students will be assessed in a variety of ways including pen and paper tests. Students may also be required to:

- construct models
- use computer software
- write assignments or research articles
- carry out investigations
- give oral presentations on a prepared topic.

These alternative assessment items are a compulsory part of the course and must be completed in order to receive credit for this subject. Year 11 assessment is officially formative. When Year 12 assessment is completed, the Year 11 items will not directly contribute to the exit level of achievement.

ASSIGNMENTS/TESTS

Each semester will have a minimum of a Mid-Semester exam, an End-Semester exam and an assignment. Part of the assignment may need to be completed in class time.

A graphics calculator is **absolutely essential** for this course. The calculator should be a Casio Graphing calculator — not a Class Pad. Preferably, the Graphics calculator should be purchased by the end of the first term of year 11. Until then, a scientific calculator will suffice.

MATHEMATICS C

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 6038 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 Maths – B or 10A Maths - C

OVERVIEW

Mathematics C is intended for students with a keen interest in Mathematics covering advanced mathematical concepts using aerospace/aviation applications and settings.

As the course complements and extends concepts from Mathematics B, students must study Mathematics B as an accompanying subject.

The Mathematics C course focuses on real and complex numbers systems, groups, matrices and vectors, calculus and structured patterns. Two option topics, conics and dynamics, are also studied due to their importance in aerospace/aviation applications.

COURSE DETAILS

Topics Studied – Year 11

- Real and Complex Numbers
- Groups
- Matrices
- Vectors
- Proof by Induction
- Structured Patterns

Topics Studied – Year 12

- Derivatives
- Vectors
- Complex Numbers
- Integration
- Determinants
- Finite Differences
- Dynamics
- Conics

ASSESSMENT

Students will be assessed in a variety of ways including supervised tests. Students are also required to:

- construct models
- use computer software
- write assignments or research articles
- carry out investigations
- give oral presentations based on aerospace/aviation topics.

These alternative assessment items are a compulsory part of the course and must be completed in order to receive credit for this subject.

Year 11 assessment is officially formative. When all Year 12 assessment is completed, the Year 11 items will not directly contribute to the exit level of achievement.

ASSIGNMENTS/TESTS

Each semester will have a minimum of a mid-Semester test, an end-Semester test and an assignment. Part of the assignment will need to be completed in class time.

A graphics calculator is **absolutely essential** for this course. The calculator should be a Casio Graphing calculator — not a ClassPad. Preferably, the Graphics calculator should be purchased by the end of the first term of year 11. Until then, a scientific calculator will suffice.

MATHEMATICS PRE-VOCATIONAL

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Registered Subject 6140 - does not count towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

OVERVIEW

Pre-Vocational Mathematics will appear on the Senior Certificate.

THE COURSE

- Covers basic mathematical concepts using aerospace/aviation applications and settings
- Prepare students for TAFE study, trades or the workplace
- Offers an alternative for students not wishing to pursue the rigour of Mathematics A or B.

COURSE DETAILS

Topics Studied – Year 11

- Fractions & Decimals
- Statistics
- Probability
- Earning Money
- Use of maps
- Use of schedules
- Compass reading
- Budgeting

Topics Studied – Year 12

- Measurement
- Understanding Plans
- Time
- Collecting & Organising Data
- Displaying Data

MATERIALS REQUIRED

An exercise pad
Graph pad
Compass
Ruler
Protractor
Pens and pencils

A scientific calculator is absolutely essential for this course.

ASSESSMENT

Each semester will include a mixture of assignments and examinations. Part of any assignments will need to be completed in class time.

PHYSICAL EDUCATION

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0068 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITES

Year 10 English; C

Year 10 HPE Practical Mark; B

This subject requires a high standard of writing proficiency to be successful. There is a considerable amount of time associated with research, reading and survey collation. Students must also have a satisfactory standard of physical fitness and capabilities for the practical elements of this subject.

COURSE OVERVIEW:

Physical Education would interest students who are physically active, enjoy a range of sports; participate in sport as a coach, or who would like to further their knowledge of the physical culture of Australia. It provides a foundation for students who wish to pursue further study in human movement related fields such as:

- Sport development, management, marketing, sales, sponsorship and fundraising
- Sport and physical activity policy development
- Sport journalism
- sport psychology and coaching
- Athlete conditioning and management
- Personal training
- Primary, middle and senior school teaching.

CAREERS AND PATHWAYS

Medicine, Health Nutrition, Sports Science, Sports Psychology, Health and Physical Education Teacher, Physiotherapist, Occupational Therapist, Personal Trainer, Fitness Instructor, Recreation Officer, Sports Administrator.

COURSE DETAILS

Practical Areas of Study Year 11 and Year 12

Volleyball

Touch Football

Athletics or Golf (depending on course offerings)

Netball or Futsal (depending on course offerings)

Theory Topics Studied Year 11

Skill Acquisition

Exercise Science; Planning and designing a training program.

Sports Psychology.

Sociology of Sport; Looking at equity and access of sport and recreation using Figueroa's Framework

Theory Topics Studied Year 12

Biomechanics.

Exercise Science; Implement and evaluate a personal training program.

Sociology of Sport; Looking at the Impact of families, schools, clubs, religions, politics on equity and access to physical activity.

Exercise Physiology; Energy Systems

Assessment Summary:

Assessment is continuous throughout the course with 50% of the mark consisting of un-seen exam questions, research assignments, analytical essay assignments and multimodal presentations. The remaining 50% of the subject mark is made up by results from the students' physical performance across the four sports of study.

PHYSICAL EDUCATION CERTIFICATE COURSE

Certificate III in Fitness

This course may be offered depending on availability and interest.

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Certificate III in Fitness Code: SIS30315. This course is subject to Human and Financial Resources as well as registration with Embark College.

The qualification contains 16 units of competency and completion of all 16 units will earn a student 4 credit towards their Queensland Certificate of Education. Partial completion of the Certificate II will be based on the percentage of competencies attained (25%, 50%, and 75%) e.g. completion of 8 units will earn 2 credits. Students will receive a Statement of Attainment for partial completion of the qualification or a Certificate if all units are satisfactorily completed.

BENEFITS OF VOCATIONAL EDUCATION AND TRAINING

National qualifications recognised by industry

Insight into career pathways and further education pathways

Interaction with people in industry

Credit for or articulation of qualifications to reduce time in further study or an apprenticeship

A QTAC Selection Rank (if required)

Completed Certificates contribute points towards the Queensland Certificate of Education

VET results recorded on Senior Certificate where applicable and an industry specific vocational Certificate or Statement of Attainment

Competency Based Training and Assessment

Recognition for relevant skills and knowledge achieved before studying your VET course (RPL)

This qualification reflects the role of individuals who perform a range of routine tasks using limited practical skills and fundamental operational knowledge while working under direct supervision.

OVERVIEW

This course provides students with the opportunity to achieve SIS30315 Certificate III in Fitness. This qualification intends to provide participants with the skills and knowledge necessary to become a fitness instructor or personal trainer. The course is designed to cater the modern instructor, offering a wide variety of class formats and trainings.

This course will help students develop their skills in fitness screening, assessing new clients, provide fitness training to single/groups of clients, provide advice on exercise & equipment, monitor client's fitness levels and perform administration duties in fitness/recreation centres. After achieving this qualification candidates may undertake: SIS40215 Certificate IV in Fitness.

Careers and Pathways

Students completing this course exit with fitness industry standards, skills and practices. Students also cover the foundations to a degree in exercise science, have employable skills and experiences as a fitness trainer, have a direct pathway into a certificate IV in fitness, and have an OP equivalent university ranking for further tertiary study.

Key Learning areas include:

SISFFIT001	Provide health screen and fitness orientation
SISFFIT002	Recognise and apply exercise considerations for specific populations
SISFFIT003	Instruct fitness programs
SISFFIT004	Incorporate anatomy and physiology principles into fitness programming
SISFFIT005	Provide health eating information
SISFFIT014	Instruct exercise to older clients
SISXCCS001	Provide quality service
SISXFAC001	Maintain equipment for activities
SISXIND001	Work effectively in sport, fitness and recreation environments
HLTAID003	Provide first aid
SISFFIT007	Instruct group exercise sessions
SISFFIT006	Conduct fitness appraisals
SISFFIT012	Instruct movement programs to children aged 5 to 12 years
SISXFAC002	Maintain sport, fitness and recreation facilities
BSBRK401	Identify risk and apply risk management processes
HLTWHS001	Participate in workplace health and safety

PROGRAM LENGTH and COSTS:

The two year course cost is \$300.
\$200 – Embark College fee
\$50 – First Aid fee
\$50 – student administration fee (resource charges)

PRE-REQUISITES:

Year 10 HPE Practical Mark; B
Students must also have a satisfactory standard of physical fitness and capabilities for the practical elements of this subject. Students must have an interest in training, exercise, cardiovascular and weight training activities. As part of the practical nature of this course, students will be required to participate in a number of different types of fitness and exercise activities.

ASSESSMENT SUMMARY:

Assessment is continuous throughout the course with both theoretical and practical assessment. Students are required to complete modules of theory and practical demonstrates in order to complete the certificate course. Attendance at sporting events, training and coaching session, competitions, and off campus activities are compulsory as this is where assessment takes place. Coaching sessions before or after school will be required to train clients as part of the course.

COMPETENCY BASED ASSESSMENT

Competency based assessment is a system for assessing a person's knowledge and skills. Assessment is based on the actual skills and knowledge a person can demonstrate in the workplace or in other relevant contexts. This is different from some other assessment systems which only measure knowledge and not the application of that knowledge. Another difference is that an individual must demonstrate competency in *all* of the required tasks in order to be recognised as competent overall.

RECREATION

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority-Registered Subject – does not contribute towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

OVERVIEW

Recreation focuses on the role recreation has in the life of individuals and communities. It is a subject that provides students with the opportunities to learn in, through and about recreation activities. Recreation activities are defined as those requiring exertion and human activity, engaged in for competition, relaxation or simply enjoyment. Recreation activities include active play and minor games, challenge and adventure activities, games and sports, health-related physical activities, and rhythmic and expressive movement activities.

PRE-REQUISITES:

Year 10 HPE Practical Mark; C

Students must also have a satisfactory standard of physical fitness and capabilities for the practical elements of this subject.

COURSE DETAILS

The syllabus requires completion of specified strands relating to recreation. Units of study will be combined from the following options.

Fitness – Strength and Conditioning

Indigenous games

Coaching principles

Recreation and Good Health

Importance of recreation

Fit for life

Recreational activities

Event management

Pathways in Recreation

Sporting clubs and community involvement

Indoor sports

Lifesaving

Modern games

Volleyball

Badminton

Rock climbing

ASSESSMENT SUMMARY:

Assessment is continuous throughout the course with both theoretical and practical components. Students will be required to complete multimodal presentations and written tasks as well as physical performances for units of study.

PHYSICS

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0041 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITE

Year 10 English – C

Year 10 Maths – B or 10A Maths - C

Year 10 Science – B

OVERVIEW

Physics is the science in which the cause-effect relationships of the universe are investigated. It is concerned with the discovery, understanding and application of the fundamental laws of nature.

Aspects of the study of Physics have direct links into the Aviation Industry. These include Electronics and Flight. Our students will have access to specialist research facilities that will enhance these concrete links.

COURSE DETAILS

Topics Studied – Year 11 & 12

The Physics syllabus is constructed around contexts and units.

A description of the contexts and units includes:

- People and Movement
- Propulsion (Aerospace)
- Principles of Flight (Aerospace)
- Heat and Engines
- Making Electrons Work
- Living with Magnetism
- Waves and Optics in The Real World
- Newton Vs Planck Vs Einstein
- The Atomic Age
- Atomic Structure

EXCURSIONS

Our students may be required to attend a field trip to Dreamworld as part of the Physics of Amusement Parks context. Students will be expected to contribute towards the travel expenses and admission fees involved. These may incur an additional cost.

ASSESSMENT

This course of study is based mainly on a contextual approach and the assessment program will be comprised of:

- extended responses
- supervised assessments
- extended experimental investigations.

ASSIGNMENTS/TESTS

Assignments and tests are set in both Years 11 and 12.

VISUAL ART

QUEENSLAND CURRICULUM AND ASSESSMENT AUTHORITY STATUS

Authority Subject 0080 - counts towards Overall Position.

Four (4) semesters of Sound Achievement contributes four (4) credits towards Queensland Certificate of Education (QCE).

PRE-REQUISITES

Year 10 English C

OVERVIEW

Visual Art is a two year course of study based on units of work that comprise concepts, contexts and media areas.

The sequencing of these units provides students with opportunities to progress through increasingly independent selections of focuses and media areas. Students will develop a connected body of work consisting of individual student responses to making and appraising tasks.

Assessment is continuous and occurs over the entire four semesters of the course. Students will undertake a diverse program of work during Year 11, with specialisation occurring during Year 12. Learning experiences will focus on a framework of researching, developing and resolving ideas to produce individual responses. Both making and appraising tasks will be used for this.

COURSE DETAILS

Topics Studied – Year 11

Unit 1 and Unit 2 - Levels of Meaning

- Representations
- Redesigning Reality

Unit 3 - Social Comment

- Identity

Media Areas – Selections from Painting, Drawing, Sculpture, Ceramics, Installation, Photographic Arts, Printmaking, Electronic Imaging.

Topics Studied – Year 12

Unit 4 and Unit 5 - The Human Condition

- Where We Live
- Who We Are
- Personal Extension

Media Areas – Teacher/student negotiation of media areas.

EXCURSIONS

Students may be expected to attend excursions to exhibitions of art works relevant to their areas of study. These may incur an additional cost.

ASSESSMENT

Year 11: Formative Assessment

- Art Diary
- Formative body of work inclusive of making and appraising tasks
- Practical Folios
- One Critique Response
- One Essay / Assignment

Year 12: Summative Assessment

Body of Work 1:

Inclusive of making and appraising tasks.

Body of Work 2:

Inclusive of making and appraising tasks.

Assessment may further include: exhibition catalogues, research assignments, extended written tasks.

SUBJECT CHARGE

This will cover:

- Paper, cardboard, art journal
- Photographic and Digital Imaging software in class
- Paints, inks, dyes, clay
- Charcoal, pastels, crayons