



CENTENARY HEIGHTS
STATE HIGH SCHOOL

Safety - Respect - Learning

Year 9/10 Curriculum Information

2024



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INTRODUCTION

The Junior Curriculum is designed to enable students to obtain a sound general education. It is envisaged that students will be exposed to a course of study that will encourage the development of the skills necessary to cope with the ever-increasing social, cultural, economic and political changes occurring in Australian society. Our Junior Curriculum is also designed to incorporate the requirements of the Australian Curriculum.

For your awareness:

Students will study a core of English, Health and Physical Education, History, Mathematics and Science in Year 9 and 10. They also choose any two elective subjects from the list below.

Elective Subjects

Agricultural Science	Furnishing Skills Design and Technologies
Basketball Specialisation	Geography
Chinese (Mandarin)	German
Dance	Industrial Graphics Skills
Digital Technologies	Maths, Science, Engineering and Technology
Drama	Enrichment
Economics and Business	Media Arts
Engineering, Robotics and Technologies	Music
Engineering Skills Design and Technologies	Visual Arts
Food Specialisations	

Please ensure, as a family, you look closely at, and read about all of the choices on offer so that the decision is the best fit.

Costs identified as User Pays fees are payable separate from and in addition to the Student Resource Scheme for products or services provided by a third party and charged to the school for student access and/or participation.

Year 10 Subject Selection (to be selected for Semester 2 of Year 10)

These are lead-in subjects to Year 11 and 12. You will not study the actual content that you do in Year 11 but, by studying a senior subject in Year 10, you will gain an understanding of what you thought it would be and whether you believe you can not only cope with the rigour of it but enjoy it.

In studying the senior subjects in Semester 2 Year 10, students will make more informed choices when it comes time for the 'real' subject selection for Year 11. This can only make the transition to senior school more stable from the outset.

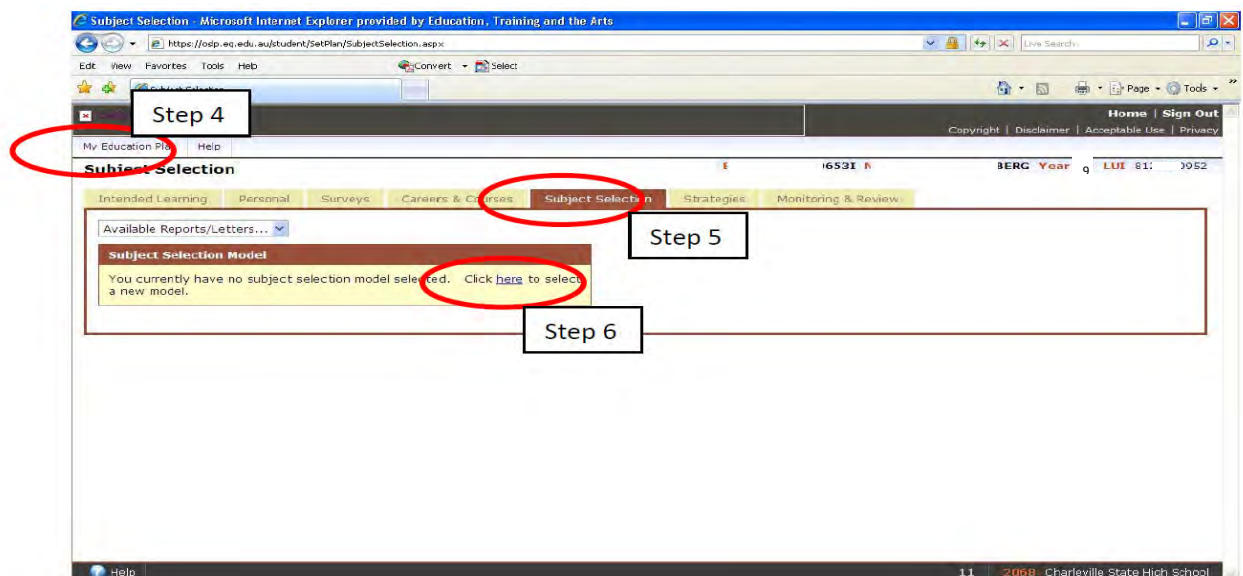
A separate information booklet on Year 10 subject selection choices will be distributed to students in Term 1 of Year 10. Year 10 will also engage in Senior Education Transition Planning (SETP) in Term 2 with interviews, and again in Term 4 Week 1 to finalise subject selections of their senior studies.

Darren Cook
Principal

2024 – Year 9 Curriculum Subject Selection How-to

Please note: Subject selection closes *Friday 18 August 2023* at 9am

1. Go to OneSchool – <http://oslp.eq.edu.au> Step 1
 - a. If you are at school; the site will automatically log in
 - b. If you are at home; you will be asked for your school username and password
 - c. If this is your first time accessing OneSchool; a Privacy Agreement will need to be accepted before continuing any further
2. Once you are signed in, click on the ‘My Education Plan’ button (top left hand corner)
3. Click on the ‘Subject Selection’ button
4. Click on the word ‘here’ in the instructions to select a subject selection model and click ‘save’
5. Make your selections from the options available – you must select two subjects from the subject selection smorgasbord, and then two additional preferences from the drop down at the bottom. Remember to click ‘Add’ to ensure the preference selection is saved
6. When you are done, click ‘save’ and a success message will appear with a green tick at the top of the screen



CHOOSING WHAT TO STUDY IN YEARS 9 AND 10

OVERALL PLAN

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

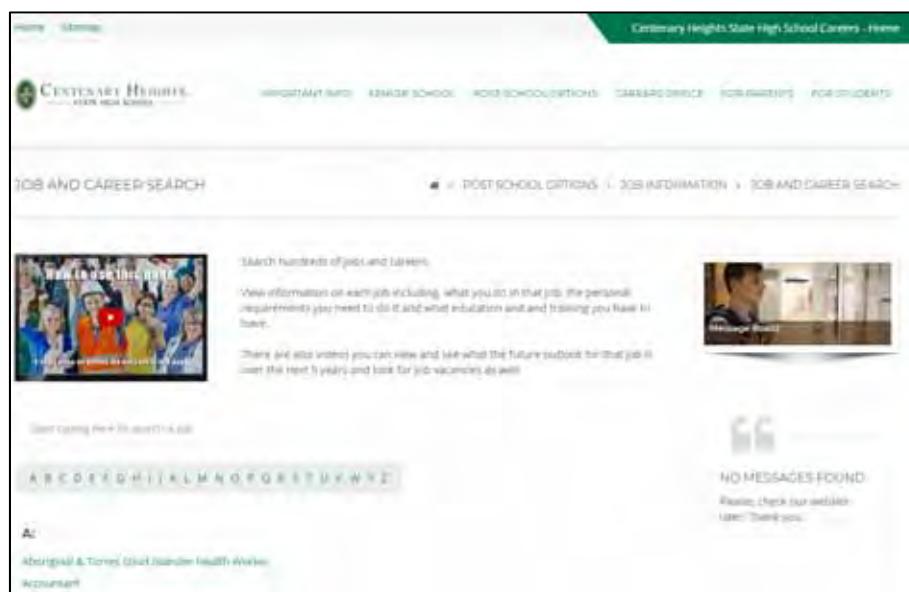
- you enjoy
- you have enjoyed some success in
- will help you achieve your chosen career goals or keep your career options open
- will develop skills, knowledge and attitudes useful throughout your life.

If you follow these guidelines and ask for help when you need it, you should come up with a study program that is appropriate for you and that you will enjoy.

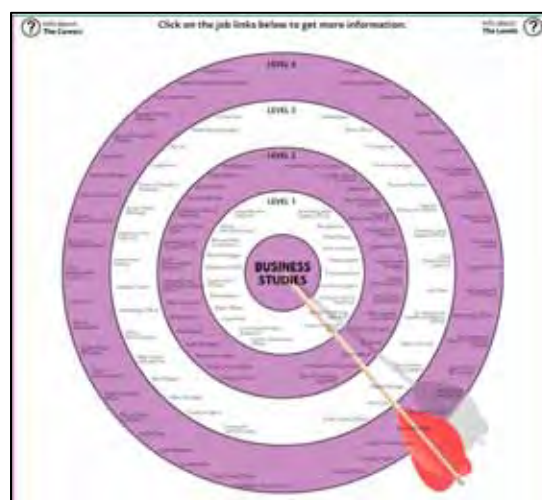
GUIDELINES

Keep your options open! You may not know exactly what you want to do when you finish school, which is completely normal and typical at this stage of your life. This means that it is important for you to explore many options and that it is wise to keep your options open. As such, the aim should be to choose a selection of subjects that makes it possible for you to continue exploring your various career options before making more specific decisions in the future.

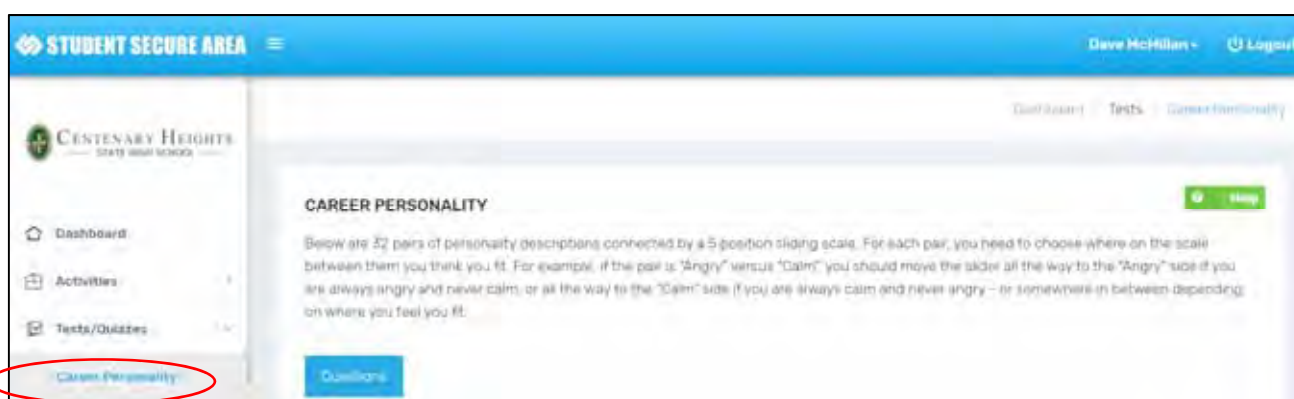
You can explore hundreds of job and career options via the Job and Career Search Tool on our Careers Website <https://www.centheighscareers.com>.



- Follow this up by exploring the Career Targets <https://www.centheighscareers.com>



The Career Personality test, accessible from the Student Secure Area of the Careers Website, may also guide you to your areas of strength.



Seeking Help and Guidance:

To find out as much as possible about the subjects offered at Centenary Heights to ensure that you can make an informed selection, connect with the following people:

- Teachers
- Heads of Year
- Heads of Department
- Guidance Officers

IN SUMMARY:

Some key questions to ask yourself:

- What am I good at?
- What do I enjoy doing?
- What were my best subjects in Year 8?

DO NOT choose your subjects for the following reasons:

- “My friend is taking that subject.”
- “I do/don’t really like the teacher.”
- “Someone told me that the subject is fun (or easy, or interesting).”
- “Someone told me that the subject is boring.”
- “Someone told me that I do/don’t need that subject for the course I want to take at university.”

Subject name Agricultural Science – Junior

Subject code AGT

Additional subject cost: A \$15 consumables fee

\$10 per term bus fees for travel to Wilsonton Agricultural Field Studies Centre (User pays)

Prerequisites Nil

Course overview The contemporary agriculture sector offers career opportunities that include science, business, tourism, design and engineering. The Year 9/10 Agricultural Science course is designed to provide a basic understanding of the relationships between plant, animals, humans and the environment. Students will gain an understanding of the food industry whilst developing their communication, leadership, management and technology skills. The course places considerable emphasis on practical work, which is conducted at the Wilsonton Agricultural Field Studies Centre.

Course outline

Major units of study include:

- agriculture industries – local and worldwide
- animal husbandry
- plants
- chemical safety
- machinery and technology
- Workplace Health and Safety

The practical work in which students will be involved include:

- handling of animals competently and safely
- safely maintaining and operation of equipment
- handling chemicals safely
- recording and presenting observations accurately
- observing animal and plant systems

Assessment These may include written tests, assignments and projects, as well as completion of practical tasks.

Subject requirements Work will involve both theory at school, practical work at school and the Wilsonton Agricultural Field Studies Centre and field trips/excursions. Students are required to travel to and from the Wilsonton Agricultural Field Studies Centre during their breaks and are required to wear a hat during these sessions. Shoes with impervious uppers are required for safety reasons. Activities within the course may be considered high/extreme risk and parental permission will be sought for each of these types of activities.

Career opportunities Agricultural Science may lead to careers in agricultural research (scientist), animal industries, seed and grain industries, pastoral companies, veterinary science, teaching, government departments (e.g. Primary Industries, Natural Resource Management, Department of Environment and Resource Management), banks and financial sectors, and horticultural industries.

Subject name	Basketball Specialisation
Subject code	BSP
Additional subject cost	\$45 for training singlet
Prerequisites	Nil
Course Overview	<p>By the end of Year 10, students:</p> <ul style="list-style-type: none"> • analyse contextual factors that influence decisions • access, synthesise and apply health information from credible sources to propose and justify responses to health situations • propose and evaluate interventions to improve fitness and physical activity levels • demonstrate leadership, fair play and cooperation across a range of movement and health contexts • apply decision-making and problem-solving skills when taking action to enhance their own and others' health, safety and wellbeing • apply and transfer movement concepts and strategies to new and challenging movement situations • apply criteria to make judgements about and refine their own and others' specialised movement skills and movement performances • work collaboratively to design and apply solutions to movement challenges

Students participating in the Basketball Specialisation program will participate in a range of theoretical and practical units with a focus on principles of biomechanics, energy systems, nutrition and psychology related to basketball. Students will facilitate a gala day at the end of Term 4 to apply their learning and understanding about coaching and officiating. Students in this program may also participate in interschool-based competitions and gala days throughout the year.

Course Outline

Year 9

Unit 1: Theory – Biomechanics of Shooting
 Practical – Shooting & Dribbling Fundamentals
 Unit 2: Theory – Energy Systems
 Practical – Passing and Rebounding Fundamentals
 Unit 3: Practical – Coaching and Officiating
 Practical - Defensive Principles/Strategy
 Unit 4: Theory – Sports Nutrition
 Practical - Offensive Principles/Strategy

Year 10

Unit 1: Theory – Sports Psychology
 Practical – Game Play and Modified Offensive Scenarios
 Unit 2: Theory - First Aid
 Practical: Game Play and Modified Defensive Scenarios

Assessment	Assessment techniques and formats include a combination of practical and theoretical. Students will complete folios, investigation inquiries, examinations, and practical responses.
Subject Requirements	Hat and/or sunscreen are mandatory for outdoor activities. Students are required to wear the sports uniform to practical lessons. A ring binder to store theory handouts is also required. Students are required to bring their training singlets to all practical lessons.
Career Opportunities	Athlete, sports coach/trainer/administrator, sports psychologist, referee, teacher, sports nutritionist

Subject name Chinese (Mandarin)

Subject code CHI

Additional subject cost Students are offered the opportunity to participate in activities such as visits to Southbank, a Chinese banquet, the Chung Tian Temple excursion, Chinese cooking and various language competitions. These optional excursions amount to approximately \$45 per event

Prerequisites Nil. It is preferable, but not essential, to have studied the language in Year 8

Course overview Studying a foreign language contributes to the educational, intellectual, personal, social and cultural development of the student. Specifically, students who study Mandarin Chinese will:

- gain practical language skills
- acquire a repertoire of language learning strategies for life-long learning
- develop a fuller understanding of English
- develop creative thinking and problem-solving strategies
- demonstrate cultural understanding and develop intercultural competence

Course outline

- Students will explore how Chinese and Australian young people experience and perceive youth culture and how it relates to their own identity
- Students will investigate the issue of stress and anxiety that affects teenagers in China and Australia
- Students will explore their connections with the wider global community including links with Chinese culture
- Students will explore language and culture relating to youth employment in Chinese-speaking cultures
- Students will explore the concept of advertising in Chinese-speaking cultures and Australia
- Students will explore the concept of intergenerational differences in Chinese-speaking countries and Australia.
- Students will investigate different perspectives towards animal conservation in China and Australia
- Students will explore the life stories of young people in Chinese-speaking cultures and Australia

Assessment Chinese assessment is broken up into four macro skills: listening, speaking, reading and writing, and will be assessed by a variety of activities including exams

Subject requirements Nil

Career opportunities Being proficient in Mandarin Chinese will enhance opportunities for you in many careers, e.g. business, translating, hospitality, travel, public service and diplomatic positions. Your chances of being accepted into some universities are also enhanced and you will gain an advantage in an increasingly competitive business world.

Subject name	Dance
Subject code	DAN
Additional subject cost	Nil
Prerequisites	Nil
Course overview	In Year 9 Dance, students will be introduced to the skills required to communicate with an audience through movement and expression. This will be achieved through performance, choreography and analysing a range of dance forms and styles.
Course outline	<p>Students will cover a wide range of dance styles. Class work will consist of both practical and theory components.</p> <p>Semester 1</p> <ul style="list-style-type: none">- Get the Groove (Hip Hop) <p>Semester 2</p> <ul style="list-style-type: none">- Technique through Storytelling (Contemporary) <p>Semester 3</p> <ul style="list-style-type: none">- Dance of the People (World Dance)
Assessment	Students will be assessed once in each of the areas of Making (Performance and Choreography) and Responding. Through these assessment items students will display their knowledge and understanding of technique, self-expression and critiquing arts works.
Subject requirements	Dance uniform <ul style="list-style-type: none">- Black t-shirt- Black leggings
Career opportunities	Careers in Dance are many and varied and include performer, choreographer, teacher (primary to tertiary), theatre critic, therapist.

Subject name Digital Technologies

Subject code DIG

Additional subject cost Nil

Prerequisites Nil

Course overview

- to develop students' knowledge, understanding and skills in computational thinking and engaging students in more specialised programs in preparation for their learning in senior secondary years
- students will learn to automate tasks and analyse and manipulate data, to understand what happens when instructions do not match their intention, seeking ways to correct their display of information
- students consider how human interaction with networked systems introduces complexities surrounding access to, and the security and privacy of, data of various types
- students interrogate security practices and techniques used to compress data, and learn about the importance of separating content, presentation and behavioural elements for data integrity and maintenance purposes

Course outline

Students use a range of generic and innovative software to understand computer logic, digital elements, trends in technology, audience needs, ethics, copyright and ownership. Students focus on coding, learning a range of languages including JavaScript, HTML, and Python

Topic covered: algorithms, programming/coding, web design, information systems, data analysis

Assessment

Projects and responses using computers and software. This includes word processing, PowerPoint presentations, web pages, game software etc. Most computer tasks will be constructed so that they are completed in class. Projects could include individual or group work, presentations, peer assessment of presentations, diagrams, responses to stimuli and presentation of printed and digital documents. An in-class portfolio of tasks completed is also used to determine overall standard of achievement.

Subject requirements

A USB of at least 16GB, display folder with plastic pockets and a pair of earphones/ headphones are required.

BYOD program

Please refer to the 'Bring Your Own Device (BYOD) booklet for the minimum specifications required before purchasing a device. Minimum of Intel 5 processor.

Career opportunities

Leads to further study in the subjects of Digital Solutions and Senior ICT.

Subject name **Diverse Learners Support Program**

Subject code DLP

Additional subject cost Students may participate in activities such as excursions, community access and sport. Costs are shared between the parent and the Diverse Learners Support Program.

Program intention Centenary Heights State High School is committed to providing every student with the opportunity to learn the Australian Curriculum outlined by ACARA. Through our Diverse Learners Program, support is provided for any student in the school who requires curriculum engagement support and adjustments in order to assist them to access the teaching, learning and assessment for the subjects they are in.

The program is led by the Deputy for Diverse Learning and is staffed with core teachers and teacher aides who work closely with other staff from across the school, including year level DPs, Guidance Officers, EALD coordinator, HOYs, SBYHN, Engagement Officer etc.

Prerequisites: The level of support a student receives is indicated by their degree of need. This is determined by a range of data and assessment tools, including meeting the criteria set forth in the DDA (Disability Discrimination Act) and NCCD (Nationally Consistent Collection of Data).

All students supported through the DLP will have a Personalised Learning Record that outlines strategies for support within classrooms, tracks student progress and is a record of the adjustments and intervention the student has accessed.

Program outline The assistance the DL team offers is customised to individual student need and in negotiation with parents/carers and students. This can include, but is not limited to:

- Access to a Case Manager who acts as liaison between mainstream teachers and parents, and supports and advocates for the student when necessary
- Assessment adjustments and supports - including assistance with senior access arrangements and reasonable adjustments (AARA)
- The delivery of intervention programs – both in terms of literacy/numeracy intervention and wellbeing and engagement
- The implementation of Individual Curriculum Plans for identified students working at below or above year level
- Curriculum support classes
- Additional in-class support provided in mainstream classes by teacher aides or Diverse Learners teachers – this varies according to need and resources available.

Overall, the intention of the Diverse Learners Program is to layer support around young people as they negotiate their time at school. Our hope is that, with adjustments, students will grow in independence and successfully transition from school into the wider community.

Subject name	Drama
Subject code	DRA
Additional subject cost	Excursion costs may arise
Prerequisites	Nil
Course overview	Drama focuses on students expressing and communicating understandings about human issues and experience through the enactment of real and imagined events. While interacting in a range of roles, relationships, situations and contexts, students of Drama investigate feelings, actions and consequences. The subject allows students to develop confidence and self-awareness as they collaborate to prepare and present drama. Students also develop understanding of the forms, styles and purposes of drama in various contexts.

Course outline

Year 9

- elements of drama
- improvisation
- script writing
- text interpretation
- exploring forms, styles and conventions
- theatre of the world
- analysing
- performance skills
- mask making

Year 10

- elements of drama
- script writing
- acting skills
- performance skills
- text interpretation
- Shakespeare
- stage design
- directorial vision
- analysing
- costume design

Assessment The following is an indication of typical assessment items:

Year 9

- individual/small group performances of scripted texts
- improvisation
- script writing
- performance analysis
- character development

Year 10

- individual/small group performances of published scripts
- performance analysis
- dramaturgy's folio

Subject requirements Own 'theatre blacks' (black long pants and shirt for assessment). Teamwork is an essential part of this subject, thus the ability to work co-operatively in groups is an important attribute of students of Drama.

Career opportunities As a result of undertaking further studies in drama, students may be interested in pursuing a career in theatre. Drama is also an appropriate preparation for such tertiary courses as journalism, teaching, law and communications and for careers in the advertising and public relations field.

Subject name Economics and Business

Subject code ECB

Additional subject cost Nil

Prerequisites Nil

Course overview

- to build students' understanding of the world of business within the global economy and how this affects standards of living and economic performance
- to build knowledge of business contexts, terms, business records and business language in preparation for senior business studies
- provide students the opportunity to explore the concepts of being interdependent participants in the global economy of finance, investing and government decision making
- to build understanding of the different aspects of being involved with business as owner, manager or employee

Course outline

Managing financial responsibilities, risks and rewards, competing as a business in the global economy, competitive advantage, introduction to accounting, economic performance and standards of living, business venture.

Assessment

Assignments, exams, group work and presentations. Assessment may include knowledge tests, responses to stimuli and business reports. Students will be required to prepare projects and responses using computers and software involving word processing, spreadsheets, and PowerPoint presentations.

Subject requirements

A USB of at least 8GB, display folder with plastic pockets and privately-owned earphones/headphones are also required.

BYOD program

Please refer to the 'Bring Your Own Device (BYOD) booklet for the minimum specifications required before purchasing a device.

Career opportunities

Leads to further study in subjects such as Accounting, Business, Business Studies, and Certificate II Workplace Skills.

Subject name	Engineering, Robotics and Technologies
Subject code	ERT
Additional subject cost	\$35 consumables cost in Year 9 and \$30 in Semester 1 Year 10.
Prerequisites	Sound achievement in Maths and Science is required.
Course overview	<ul style="list-style-type: none">- introduce students to electrical technologies, theory of electrical design, robotics and associated technologies- introduce students to beginner programming- introduce students to prototype designing- develop knowledge and skills in preparation for senior Engineering
Course outline	Accessing and constructing information; digital communication and publishing; interfacing with machines; electrical safety; project planning and design; prototype design and construction; wood and plastics construction, moulding; introductory electronics; electronics theory and design; digital electronics and circuitry construction; robotics design and construction; robotics programming; flow charts; design processes; soldering techniques; wiring techniques, basic engineering principles and design
Assessment	May include exams, assignments, portfolio of work, group work and class participation.
Subject requirements	Display folder for handout pages - this becomes the student's manual. A USB of 16 GB is required specifically for this subject. Students are expected to bring safety glasses for practical workshop sessions.
BYOD program	Please refer to the 'Bring Your Own Device (BYOD) booklet for the minimum specifications required before purchasing a device. Minimum of Intel 5 to handle software.
Career opportunities	Automotive electrician, computer programmer, computer technician, electrical engineer, electrical fitter, electronics service person, software engineer. Leads into programming incorporated into Digital Solutions and/or Engineering in Years 11 and 12.

Subject name **Engineering Skills Design and Technologies**

Subject code EDT

Additional subject cost A \$55 consumables fee in Year 9 and \$50 in Semester 1 Year 10

Prerequisites Nil

Course overview To introduce students to practical skills and associated theory involved in:

- sheet metalwork
- fitting and fabrication
- metal turning
- art metalwork

Course outline

Integrated with the areas of study listed above are:

- safety
- workshop graphics
- project planning and design
- surface finishing

Examples of projects completed in this subject are:

- candelabra – art metal work
- shelf bracket
- carryall/toolbox
- copper work
- hacksaw

Assessment A range of projects, workshop theory, graphics folio and practical exams.

Subject requirements Students are expected to adhere to all safety requirements. Shoes with leather uppers (school formal shoes), safety glasses and ear plugs are required at all times for safety reasons. The textbook office sells recommended equipment. Students are required to purchase 1H and 2H pencils and an eraser.

BYOD program Please refer to the 'Bring Your Own Device (BYOD) booklet for the minimum specifications required before purchasing a device.

Career opportunities

- building trades
- instrument fitter
- metal trades
- motor trades
- plumber
- spare parts salesperson
- technician

Subject name	English
Subject code	ENG
Additional subject cost	Nil
Prerequisites	Nil
Course overview	English is aimed at developing students' proficiency in five language modes – writing, speaking, reading, listening and viewing. English develops a student's knowledge of how individuals and groups create texts for different purposes. Students study a range of print, visual, digital and media texts to consider how they have been influenced as readers and listeners. Students then apply their knowledge of how language can be used to influence others when constructing their own texts.

Course outline

Year 9 - Semester One

The Most Iconic Aussie (Term 1)

- Students examine a range of persuasive texts, analysing the use of persuasive techniques to create their own written and oral persuasive texts

Narrative Writing (Term 2)

- Students will experiment with a range of narrative conventions to develop imaginative texts. They will apply these skills to construct an intervention based on a film

Year 9 - Semester Two

Documentary Study (Term 3)

- Students will investigate historical, social and cultural representations of different groups in Australia through a range of documentaries. Using both conversational and persuasive conventions, they will develop a documentary review

Novel Study (Term 4)

- Students will examine an author's use of narrative techniques by analysing a novel, exploring how themes of personal identity are represented

Assessment	Assessment comprises of written and oral texts in a range of genres, including persuasive/reflective, analytical and imaginative.
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Subject requirements	Nil
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Career opportunities	Entry to most university courses requires a sound achievement in English and/or Literature.
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Year 10 - Semester One

Other Perspectives

- Students will read and respond to a novel studied in class, using a range of narrative conventions

Love and Conflict

- Students will examine how love and conflict is represented in a variety of texts, including a Shakespearean drama as the focus of their course

Year 10 - Semester Two

Students have opportunities to select from the following Semester Two subjects:

- English
- English as an Additional Language
- Literature
- Essential English

Subject name	Food Specialisations
Subject code	TFD
Additional subject cost	A consumables charge of \$50 in Year 9 and \$25 in Semester 1 Year 10 to cover cost of ingredients for demonstrations and group work activities.
Prerequisites	Nil
Course overview	Food Specialisations aims to develop the student’s knowledge and skills associated with food selection and preparation. It offers the opportunity to apply design creatively in food selection and production.

Course outline Year 9 Semester 1, Year 9 Semester 2, Year 10 Semester 3

Unit 1: Nuts about Nutrition

- Focus on nutrition models and recommendations
- Impact of teenage food choices on their health
- Producing nutritious and appetising foods

Unit 4: What’s for Dinner?

- Designing meals for a family
- Portion sizes vs serving sizes
- Prepare a variety of nutritious dinner dishes

Unit 2: Snack Attack

- Problem solving using the design process
- Focus on sustainable packaging and meeting customer needs
- Producing lunchbox and school canteen snacks

Unit 5: Marketing Madness

- Exploring textile characteristics and potential materials
- Creative selection and production of textile items
- Considering a theme to create a textile product

Unit 3: Food on the Run

- Exploring cooking techniques and food properties
- Are there really superfoods?
- Preparing a range of breakfast and ‘on trend’ foods

Unit 6: Around the World

- Exploring food history, cuisines and culinary techniques
- Learning about indigenous ingredients and culture
- Preparing dishes from a variety of cuisines using specialist ingredients and tools

Assessment Students demonstrate evidence of their learning over time in relation to the assessable elements through:

- Design task
- Practical work and planning
- Exam

Subject requirements Students will be required to provide ingredients for individual cookery. Students will be given at least one week’s notice of ingredients required. An apron will be provided. A container and workplan are required for practical lessons.

Career opportunities Baker, chef, dietitian, nutritionist, sports nutritionist, food scientist, food studies teacher, kitchen garden teacher, food editor, food photographer, health promotion officer, food historian, culinary tour leader, development chef, restaurant manager and other careers in food, nutrition and media.

Subject name	Furnishing Skills Design and Technologies
Subject code	FDT
Additional subject cost	An \$80 consumables fee in Year 9 and \$70 Semester 1 Year 10
Prerequisites	Nil
Course overview	To introduce students to practical skills and associated theory of: <ul style="list-style-type: none">- woodworking- woodturning- plastics- laser technology
Course outline	<p>Integrated areas of study:</p> <ul style="list-style-type: none">- safety- workshop graphics- project planning and design- surface finishing- laser cutting technology <p>Possible projects:</p> <ul style="list-style-type: none">- utility box- toy- camp stool- clock- serving tray
Assessment	A range of projects, workshop theory and graphics folio, as well as practical exams.
Subject requirements	Students are expected to adhere to all safety requirements. Shoes with leather uppers, safety glasses and ear plugs are required for safety reasons. The textbook office sells the appropriate glasses and ear plugs. Students are required to purchase 1H and 2H pencils and an eraser.
BYOD program	Please refer to the 'Bring Your Own Device (BYOD) booklet for the minimum specifications required before purchasing a device.
Career opportunities	<ul style="list-style-type: none">- building contractor- building inspector- craftsperson- furniture maker- furniture polisher- joiner- saw doctor- toy maker- upholsterer

Subject name Geography

Subject code GEG

Additional subject cost Nil. Students will be required to participate in practical field studies (one day or part of a day) that will incur an excursion fee.

Prerequisites Nil

Course overview

Geography spans Science and the Humanities. As a physical science, students will develop knowledge of the natural environment and understand impacts of human activities. As a humanities science, students will focus on the spatial aspects of the world's people, communities and cultures. Students will use an inquiry approach to make meaning of their world and respond to questions in a geographically distinctive way, plan an inquiry; collect, evaluate, analyse and interpret information; and suggest responses to what they have learned. Students will conduct field work, map and interpret data and spatial distributions, and use spatial technologies.

Course outline

Year 9

- Biomes
- Food security
- Geography of interconnections

Year 10

- Geographies of wellbeing
- United Nations and refugees
- Demographic challenges
- Coastal management

Assessment One assessment per term across a range of styles, including reports, in-class exams and presentations.

Subject requirements Nil

Career opportunities Geography graduates are qualified to understand the world as an integrated whole and develop skills and attributes needed in a variety of career paths, Fields of employment include: climate change assessment and planning, education, hazard assessment and management, town planning, public policy, real estate and development, sustainability and tourism management.

Subject name	German
Subject code	GER
Additional subject cost	Optional cultural experiences are offered through participation in experiences such as the Brisbane Oktoberfest, language competitions and viewing of German films. Cost would be approximately \$45 to attend a Brisbane event.
Prerequisites	Year 9 - Nil. Year 10 - students preferable, but not essential, to have studied the language in Year 9.
Course overview	Studying a foreign language contributes to the educational, intellectual, personal, social and cultural development of the student. Specifically, students who study German will: <ul style="list-style-type: none"> - gain practical language skills - acquire a repertoire of language learning strategies for life-long learning - develop a fuller understanding of English - develop creative thinking and problem-solving strategies - demonstrate cultural understanding and develop intercultural competence
Course outline	Language functions are visited again and again, each time in increasing depth and levels of difficulty. Students will study four of these topics:

Haus und Stadt – Home and City

- write and talk about their homes and home town
- describe what we can do in and around Toowoomba
- ask for and give directions
- describe the rooms and furniture within a home

Märchen – Fairytales

- consider German and Australian stories and fairytales which are important to young people
- presentation of German fairytales through different mediums
- learn the vocabulary, grammar and social influences of fairytales

Essen und Einkaufen – Food and shopping

- ordering and buying food
- learn the vocabulary, grammar and social etiquette for food and shopping in Germany
- compare eating and shopping habits in Australia and Germany
- experience the foods and traditions of Oktoberfest
- prepare and share a morning tea using a chosen recipe

Globale Verbindungen – Global Connections

- explore connections with the wider global community

Mein Alltag – My daily routines

- investigate daily routines of Australian and German teenagers
- learn the vocabulary to talk about a range of routines (eg – school and pastimes)

Eine Reise durch Deutschland – A trip through Germany

- identify tourist attractions in Germany
- plan and research a tour of Germany
- learn the vocabulary and grammar for planning an excursion to Germany

Wetter und Kleidung – Weather and clothing

- discuss the effect of weather on free time activities
- listening to and writing weather forecasts
- consider how clothing choices are affected by weather and seasons
- compare Australian and German weather and seasons

Lebensgeschichte – Life Stories

- consider their own life stories and the stories of others
-

Assessment Students' skills in listening, speaking, reading and writing are regularly assessed through a variety of classroom activities.

Subject requirements Nil

Career opportunities Proficiency in German will increasingly enhance opportunities in any chosen career, whether in Australia or overseas, given that Germany is economically powerful, an international leader in technology and the language is important for tourism and trade in Australia.

Subject name	Health and Physical Education	
Subject code	HPE	
Additional subject cost	Nil	
Prerequisites	A positive attitude towards physical exercise is essential. Students are required to participate to the best of their ability in all practical areas.	
Course overview	<p>The Australian Curriculum: Health and Physical Education (F–10) aims to develop the knowledge, understanding and skills to enable students to:</p> <ul style="list-style-type: none"> - access, evaluate and synthesize information to take positive action to protect, enhance and advocate for their own and others' health, wellbeing, safety and physical activity participation across their lifespan - develop and use personal, behavioral, social and cognitive skills and strategies to promote a sense of personal identity and wellbeing and to build and manage respectful relationships - acquire, apply and evaluate movement skills, concepts and strategies to respond confidently, competently and creatively in a variety of physical activity contexts and settings - engage in and enjoy regular movement-based learning experiences and understand and appreciate their significance to personal, social, cultural, environmental and health practices and outcomes - analyse how varied and changing personal and contextual factors shape understanding of, and opportunities for, health and physical activity locally, regionally and globally. 	
Course outline		
	Year 9	Year 10
	Unit 1: Active Aussies (Health theory) Unit 2: Swimming and water safety (Practical) Unit 3: Community health promotion (Health theory) Unit 4: Space invaders (Practical)	Unit 1: PT Yourself (Health theory and Practical)
Assessment	Assessment techniques and formats include a combination of practical and theoretical. Students will complete investigation inquiries, examinations and practical responses.	
Subject requirements	Hat and/or sunscreen are mandatory for outdoor activities. Students are required to wear the sports uniform to practical lessons. A ring binder to store theory handouts is also required. Students will need a suitable swimming costume and goggles for Year 9, Unit 2.	
Career opportunities	Allied health, rehabilitation science, nurse, fitness instructor, police, recreation industry, sports coach/trainer/administrator, sports journalist, teacher, sports nutrition.	

Subject name	History
Subject code	HIS
Additional subject cost	Nil. From time to time opportunities may become available to travel to and participate in exhibitions or visit field sites that may be relevant to particular units of work. These opportunities will attract a cost that will be advised at the time of the excursion.
Prerequisites	Nil
Course overview	<ul style="list-style-type: none"> - To provide students with a clear understanding of people and places from earlier historical periods - To develop a range of historical skills including the ability to communicate clearly across a range of formats, locate sources, undertake a thorough research process, develop inquiry questions, analyse, evaluate sources and synthesise information from these sources to arrive at well-reasoned conclusions - To develop a sense of empathy and compassion for other peoples and communities - To provide students with a range of knowledge and skills that will prepare them for further study or the workplace
Course outline	
Year 9	Year 10
<ul style="list-style-type: none"> - Making a Better World? (progressive ideas and movements) - Australia and Asia (Asia and the world) - World War One 	<ul style="list-style-type: none"> - World War Two – War in the Pacific <p>In Semester 2, students may then choose to study History in preparation for their learning in senior secondary years</p>
Assessment	In Year 9 and 10 History, quality assessment is a key focus of the course. Students are required to complete two assessment items for the semester in Year 9 across a range of assessment styles e.g. essays, short response exams and response to stimulus exams, and one assessment task in Year 10 in a term. At the completion of each term, students will be issued with a report for History that outlines their progress at that time
Subject requirements	Nil
Career opportunities	History is an essential subject because it is vital to be able to understand our history in order to avoid repeating mistakes made in the past, and to be critical, informed citizens. Such skills are directly applicable to any career choice, but particularly archaeology, archival and library services, foreign affairs, film & TV production, heritage officer, journalism, law, public service, teaching, tour guide, writing and many more.

Subject name	Industrial Graphics Skills
Subject code	IGS
Additional subject cost	Nil
Prerequisites	Nil
Course overview	To learn different ways to communicate graphically using drawing equipment and computers. These skills are used to solve various graphic design problems
Course outline	The areas of study embraced by the Australian Curriculum are: <ul style="list-style-type: none">- Computer Aided Drawing (CAD, AutoCAD, Inventor, Rivit)- 2D and 3D presentations
Assessment	Progressive and involves in-class assignments and some class exams (theory and practical).
Subject requirements	Students are to provide their own pencils, one 2H and one H, as well as an eraser. All drawing equipment is provided. Minimum of an 8 GB USB is required specifically for this subject.
BYOD program	Please refer to the 'Bring Your Own Device (BYOD) booklet for the minimum specifications required before purchasing a device. Minimum of Intel 5.
Career opportunities	<p>A knowledge of graphics is vital for all trades and helpful in many others particularly those which rely on drawing interpretation. A good grasp of graphical communication skills will put you at a definite advantage in the workforce.</p> <p>Graphics is very important in the following occupations:</p> <ul style="list-style-type: none">- advertising agency- architect- bricklaying- commercial graphics- construction- design office magazine layout- draftsman- electrician- engineering- excavation- fashion design- furnishing- packaging design- painting- plumbing- printing- publishing- site foreman

Subject name	Mathematics		
Subject code	MAT		
Additional subject cost	Students will need to purchase a scientific calculator. The Ti-30XB MultiView scientific calculator is preferred as its layout is similar to the Ti-84+ graphic calculators students will be using in Senior Mathematics. This brand of scientific calculator may be purchased from the school textbook office for \$25.		
Prerequisites	Nil		
Course overview	<p>The Year 9 and first semester Year 10 Mathematics course, written to the Australian Curriculum (v9.0), provides students with an opportunity to continue to develop their numeracy knowledge and skills, whilst introducing the algebraic faculty and other concepts important for the progression to the higher-level Mathematics subjects in second semester Years 10 and Years 11 and 12.</p> <p>Throughout the program students have the opportunity to:</p> <ul style="list-style-type: none"> - increase their mathematical knowledge - apply their knowledge to situations both real-life and purely mathematical - communicate using the concise language of mathematics - justify and think critically - perform effective mental calculations - reflect on mathematical understanding - use digital technology, both calculators and computers 		
Course outline	Students will undertake the following topics based on the Australian Curriculum (v 9.0).		
	<p>Semester 1 (Year 9)</p> <p>Number:</p> <ul style="list-style-type: none"> - applications of scientific notations - recognise rational and irrational numbers <p>Measurement:</p> <ul style="list-style-type: none"> - ratio, similarity and scale in 2D - apply Pythagoras' theorem and trigonometric ratios to solve problems involving right angle triangles <p>Geometry</p> <ul style="list-style-type: none"> - enlargement of shapes - geometric constructions - use the properties of similar triangles to recognise the constancy of sine, cosine, and tangent ratios <p>Algebra</p> <ul style="list-style-type: none"> - extend index laws to variable values - expand and factorise quadratic expressions - identify quadratic functions and solve quadratic equations 	<p>Semester 2 (Year 9)</p> <p>Statistics</p> <ul style="list-style-type: none"> - investigate data sets describing the features using summary statistics - recognise how sampling techniques and representation can affect results <p>Probability</p> <ul style="list-style-type: none"> - probability of compound events - design and construct probability experiments <p>Measurement</p> <ul style="list-style-type: none"> - volume and surface area of prisms and cylinders - absolute, relative, and percentage error <p>Algebra</p> <ul style="list-style-type: none"> - gradient of line - midpoint of an interval - distance between two points 	<p>Semester 3 (Year 10)</p> <p>Statistics</p> <ul style="list-style-type: none"> - box plot displays - investigating bi-variate data <p>Measurement</p> <ul style="list-style-type: none"> - volume and surface areas of <ul style="list-style-type: none"> - prism shapes - pyramid, sphere shapes <p>Algebra</p> <ul style="list-style-type: none"> - simultaneous equations - further quadratic functions and solving quadratic equations with real number solutions
Assessment:	Assessment will consist of 60 minute in-class tests each semester, with a project/maths investigation task twice throughout the year.		
Subject requirements	Nil		
Career opportunities	Performance in Mathematics in Year 9 and 10 will influence subject choices in the area of Mathematics and to some extent Science for Year 11 and 12.		

Subject name	Maths, Science, Engineering and Technology Enrichment
Subject code	MET
Additional subject cost	A \$20 consumables fee Participation in the Science and Engineering Challenge at the University of Southern Queensland approximately \$20 (user pays).
Prerequisites	Enthusiasm and aptitude for Mathematics, Science and Technology.
Course overview	In this course students are given the opportunity to study STEM topics in addition to the National Curriculum. Students will develop their critical thinking, enhance their problem-solving skills and use these to come up with creative ways to conduct experiments.
Course outline	As this subject aims to elaborate on mathematics, science and digital technologies curriculum in Year 9 and 10 many of the topics will be negotiated between the teacher and students. Typically, concepts will be integrated into units. The development of investigative, research, and communication skills will be a major emphasis in all units. Students will be required to engage in a range of learning experiences which broaden their knowledge and skills e.g. Science and Engineering Challenge, Science and Technology Fair, and University of Southern Queensland Scientific Investigation Awards. Accordingly, significant time will be utilised in class to prepare for these events.
Assessment	This will involve the completion of assignments, laboratory work, projects and exams.
Subject requirements	As ambassadors, students will be expected to represent the school in Mathematics, Science and Technology competitions.

Subject name Media Arts

Subject code MED

Additional subject cost Nil

Prerequisites Nil

Course overview In Media Arts, students use communications technologies to creatively explore, design and interpret stories about people, ideas and the world around them. They engage their senses, imagination and intellect through media artworks that respond to diverse cultural, social and organisational influences on communications practices today.

Course outline Content descriptions in Media Arts reflect the interrelated strands of Making and Responding.

- *Making* includes learning about and using knowledge, skills, techniques, processes, materials and technologies to explore arts practices and make artworks that communicate ideas and intentions
- *Responding* includes exploring, responding to, analysing and interpreting artworks

Year 9

- introduction to Media Arts
- introduction to production
- gaming culture
- storyboarding
- character design
- game analysis
- filming and editing techniques
- music videos
- scene analysis
- advertising and promotion

Year 10

- animation
- superhero films
- genre codes and conventions
- filming and editing techniques
- film analysis
- introductions to Hero's Journey
- representation of heroes in film

Assessment

Year 9

Making:

- Design and production of short films and music videos

Responding:

- Analysis of films
- Game analysis
- Podcasting

Year 10

Making:

- Design and production/short animation of Superhero scene

Responding:

- Film analysis

Subject requirements

- USB or portable hard drive
- Minimum 16GB SD card (preferably SanDisk Class 10, not MicroSD)
- Computer that can handle Adobe Suite (memory and hard drive)

Subject name	Music									
Subject code	MUS									
Additional subject cost	A \$20 consumables fee Year 9 and Year 10									
Prerequisites	Nil									
Course overview	The subject Music is both creative and academic in its approach and is designed to further develop the student's musical knowledge and understanding, appreciation, performance and music writing skills gained in Year 8.									
Course outline	<p>Students will cover a wide range of musical styles and genres included in the areas of study. A substantial amount of class time is given to practical work.</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 33%;">Year 9 Semester 1</th> <th style="text-align: left; width: 33%;">Year 9 Semester 2</th> <th style="text-align: left; width: 33%;">Year 10 Semester 3</th> </tr> </thead> <tbody> <tr> <td>Unit 1</td> <td>Unit 2</td> <td>Unit 3</td> </tr> <tr> <td>- Music Foundations</td> <td>- Popular Music Then and Now</td> <td>- Song Writing</td> </tr> </tbody> </table>	Year 9 Semester 1	Year 9 Semester 2	Year 10 Semester 3	Unit 1	Unit 2	Unit 3	- Music Foundations	- Popular Music Then and Now	- Song Writing
Year 9 Semester 1	Year 9 Semester 2	Year 10 Semester 3								
Unit 1	Unit 2	Unit 3								
- Music Foundations	- Popular Music Then and Now	- Song Writing								
Assessment	Students will be assessed in the areas of Making (Composing and Performing) and Responding. Through these assessment items students will display their knowledge and understanding of music, aural skills, music literacy skills and performing skills (including techniques and musical interpretation).									
Subject requirements	<p>Provide own headphones. It is NOT necessary for students to be able to play piano or an orchestral instrument in order to successfully undertake Music in Years 9 and 10 as classroom instruments (eg electronic keyboard, drum kit and guitar) may be used throughout the course as the main performance instruments.</p> <p>NOTE: In class, students will have the opportunity to develop significant skills in performance and sight-reading on a variety of instruments including guitar, drum kit, keyboard, and xylophone. Those who play orchestral instruments will be given opportunities to use them and further develop performance skills during practical lessons. Vocal ensemble work is also an integral part of the course, though students will not be obliged to sing solo in class.</p>									
Career opportunities	Careers in Music are many and varied and include audio technician, copyist, instrument maker, instrument repairer, journalist, librarian, music composer, performer, piano technician-tuner, producer, publisher, teacher (pre-school to tertiary), retailer, songwriter, therapist.									

Subject name	Science
Subject code	SCI
Additional subject cost	Nil
Prerequisites	Nil
Course overview	Science helps our understanding of the world around us. Everything we know about the universe from how trees reproduce to what an atom is made up of is the results of scientific research and experiments. Science teaches you many valuable skills including being able to analyse information to draw conclusions from evidence.

Course outline

Area	Year 9	Year 10
Biology	Body systems, ecosystems	Genetics and evolution
Chemistry	Atomic structure, chemical reactions, radioactivity	Periodic table, rates of reaction
Physics and Earth Sciences	Energy transfers, plate tectonics and Earth's structure	Laws of motion

Assessment	There will be a balance of assessment techniques used throughout the course to enable students to demonstrate what they know and can do. Assessment tasks include data tests, scientific experimental reports, research investigations and supervised examinations. Students will be required to complete aspects of all tasks in class while some will require significant attention as part of their homework.
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Subject requirements	Nil
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Career opportunities	Many careers need science knowledge and skills: beauty therapy, chiropractic, dental, electrical services, engineering, geology, hospitality, medicine, nursing, pharmacy, physiotherapy, veterinary science and wildlife management to name just a few.
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Subject name	School-based Apprenticeships and Traineeships (Year 10 only)
Subject code	SAT
Additional subject cost	Nil
Prerequisites	Nil

Course overview

School-based apprenticeships and traineeships (SATs) allow high school students in Years 10, 11 and 12 to work for an employer and train towards a recognised qualification, while completing their secondary schooling and studying for their QCE and/or an ATAR.

School-based apprenticeships and traineeships (SATs) are perfect for high school students who want to get a head start on their career. SATs allow high school students to combine school and training with working in a real job, with a real boss, for a real wage. To be enrolled into a SAT, students must be enrolled at a school and be in Year 10 or above.

Benefits of a SAT

- **More flexibility and variety**
The variety provided by SATs can have enormous benefits for young people who prefer hands-on learning to traditional schooling pathways.
- **Head start in a career**
Young people employed as school-based apprentices and trainees develop workplace skills, knowledge, confidence and have a competitive edge when applying for jobs. A SAT can lead directly to full-time employment once a student has left school.
- **Nationally recognised qualifications with a workplace component**
All school-based apprentices and trainees participate in vocational training that contributes to a Certificate III vocational qualification which can count towards the student's Queensland Certificate of Education (QCE). A completed Certificate III qualification generally attracts eight QCE points.
- **An opportunity to learn and earn**
School-based apprentices and trainees are paid while they learn workplace skills, gain confidence, and adapt to a work environment. It gives the student the opportunity to put skills learnt at school into practice in a real work environment.

The key to gaining a SAT is in the student finding an employer. Generally, this is achieved through one of four methods:

1. Completion of Work Experience
2. Converting part-time employment into a SAT
3. Following up on opportunities advertised by the Careers Office – Positions Available List emailed weekly
4. Taking advantage of your family network.

Please contact our school's Careers Office if you have any questions or require additional information.

Subject name	Visual Arts
Subject code	ART
Additional subject cost	A \$55 consumables fee in Year 9 and \$40 in Semester 1 Year 10. Year 9 and 10 students may (schedule permitting) attend one excursion to Brisbane or Ipswich galleries costing approximately \$30.
Prerequisites	If this is the first time you have studied art other than in primary school or Year 8 you must be prepared to complete extra homework and to develop the design and production skills expected of Year 9 and 10 art students. The theory component of this course can be challenging and requires you to have a good understanding of written language.
Course overview	<ul style="list-style-type: none">- explore and experiment with practical content related to Visual Art- represent their ideas, thoughts, feelings and observations of the world in visual ways- be exposed to a variety of art media and materials such as inks, acrylics, pastels, canvas, clay etc- develop technical skill in art disciplines such as painting, drawing, printmaking, photography, sculpture, ceramics etc- be exposed to art from different cultures and historical perspectives
Course outline	Students study three units of work per semester in Year 9 and one unit of work per term in Year 10. They will complete preliminary tasks and activities relating to two and three-dimensional art disciplines such as drawing, painting, ceramics, printmaking, sculpture, illustration and mixed media. Tasks may include poster design, storybook illustration, still life, junk sculpture, pattern, collage, portraiture, ceramic sculptures, fantasy fish sculpture, lino printing and surrealist painting. Students generate ideas and develop designs into finished artworks. The study of visual art theory is a key component of this subject.
Assessment	<ul style="list-style-type: none">- preliminary practical tasks and experiments- idea development in your visual journal- a major practical artwork per unit of study e.g. major painting, drawing etc- a written assignment per semester of study
Subject requirements	Students should expect to devote some time outside class time to the completion of practical and theoretical tasks. Art rooms are open to students during lunch times for this purpose. All students must have a basic kit of art equipment which includes: <ul style="list-style-type: none">- 2 x 2B pencils- 1 x soft white eraser- a basic set of coloured pencils- a basic set of felt pens- set of paint brushes – available from the Textbook Office for cost price
Career opportunities	Advertising, archaeology, architecture, cartooning, decorating, digital media, fashion, film, fine arts, gallery, graphic artist, industrial design, interior design, museum, photography, publications, television, teaching and theatre.