

YEAR 10



PATHWAYS to QCE

Curriculum Guide 2024





What can parents do to help their children be successful?	4
Information about the Senior Phase of learning	5
Queensland Certificate of Education (QCE).....	5
Types of Subjects	5
Assessment	5
Australian Tertiary Admission Rank (ATAR) eligibility.....	6
English faculty pathways.....	7
Mathematics faculty pathways	11
Health and Physical Education faculty pathways	13
Humanities faculty pathways.....	16
Creative Technologies faculty pathways	23
Information Technologies.....	23
Food and Fibre Technology	25
Languages faculty pathways	27
Music faculty pathways	31
Industrial Technology and Design faculty pathways.....	33
Science faculty pathways	38
The Arts faculty pathways	41
Study Support	46
Prerequisites and Recommendations for Senior Subjects	47



Introduction

Mansfield State High School is a school with high expectations of students regardless of their chosen pathway. The school aims to develop well-rounded, confident and hard-working graduates. The purpose of this curriculum guide is to support students and parents/carers through the journey of selecting a senior pathway.

The Year 10 curriculum at Mansfield State High School provides students with the opportunity to experience a wide range of subjects in a challenging environment designed to prepare students for the senior curriculum.

When making subject choices students should consider:

- the importance of having a broad-based general education in Year 10
- exploring individual pathways in preparation to meet pre-requisites in senior schooling and beyond school.

Selection guidelines

The selection of subjects has an important influence on happiness at school, success in studies and the range of options available for further study or for entry to a desired vocation.

- Students are encouraged to discuss subject choices with teachers, and other members of staff. Staff understand student strengths, and will be able to give them guidance on the appropriateness of their subject choice. The final decision will be made by the parent and the student.
- All students must select at least one (1) English subject from the list provided (a student may choose to study both Preparatory English (PEN) and Preparatory Literature (PEL) or Preparatory English as an Additional Language (PAL) and Preparatory Literature (PEL).
- All students must select at least one (1) Mathematics subject.
- Students are required to study four (4) elective subjects for Semester 1 and Semester 2 in addition to English and Mathematics. Electives are a mix of single semester programs and year-long options. Prerequisites must be carefully considered as some subjects require Semester 1 as a prerequisite to enrol in Semester 2. Other subjects are designed so that a student may enrol for either Semester 1 or 2, swapping mid-year to maximise the opportunity to try different subjects.
- Students will be required to select an additional two (2) electives as preferences should their first choices not be available.

When making your selections, keep in mind:

- your **interests** and **abilities**
- the level of **difficulty** of the subject
- recommended prerequisites both in Year 10 and for senior subject selection
- possible **career** needs
- subject costs.

A student **SHOULD NOT** choose subjects for the following reasons.

- *'My friend is taking that subject.'* There are usually several classes in a subject, so even if you are doing the same subjects, you won't necessarily be in the same class.
- *'I do/don't really like the teacher.'* There is no guarantee that you will have any particular teacher.
- *'Someone told me that the subject is fun (or easy, or interesting).'* Just because a subject may be enjoyable/easy/interesting for someone else does not mean that it will be the same for you.
- *'Someone told me that the subject is boring.'* See point 3.
- *'Someone told me that I do/don't need that subject for the course I want to take in Year 12/at university.'* If you are planning this far ahead, speak with the relevant Head of Department/Head of Year, check tertiary prerequisites or talk to a Guidance Officer.

Important information

- Many subjects have identified prerequisites and/or compulsory subjects. Where prerequisites are stated, if students can demonstrate they already have similar knowledge and skills that would have been gained from completion of the prerequisite subject, they may complete the next level of the subject after agreement with the relevant Head of Department.
- Students also need to be aware that availability of a particular subject is dependent upon a number of important factors, including availability of staff and physical resources such as specialist classrooms and class size numbers.

During the Student Development Program (SDP) in Year 10 and through their Term 3 My Path interview, students engage in a careers program that allows them to develop their own Senior Education Plan (SET Plan) and assists with senior subject selection.

The following sources of information on subjects, courses and careers may prove useful:

- [Job Outlook](#) or [Good Universities Guide](#)
- Australia's Career Information Service; [My Future](#)
- [QTAC website](#) – for occupations requiring university study or study in full-time TAFE
- The Department of Employment, Small Business and Training [website](#)
- Other career information such as brochures from industry groups which show the various pathways to jobs in these industries
- Employers and people who are already employed in roles which you are interested in.

What can parents do to help their children be successful?

- Don't assume responsibility, but support your child to take responsibility for their own education. A good way to do this is to ask them lots of questions instead of answering their questions. Thinking about a response is your child actively learning.
- Ask students questions about school. Find out how they interpret what is going on at school.
- Ensure that your students have a suitable place to study.
- Support the actions of the school.
- Regularly ask your child to explain what they are learning. Sit with them and look at their work and have them show you course content and learning materials on QLearn.
- Your interest in their school work can assist them to improve their learning habits and enforces the important you place on their learning.



Information about the Senior schooling Queensland Certificate of Education (QCE)

The Queensland Certificate of Education (QCE) is Queensland's senior secondary schooling qualification. It is internationally recognised and provides evidence of senior schooling achievements. Students can study a range of subjects and courses to meet their learning and career goals, and will acquire 21st century skills to support them as lifelong learners, valued employees, innovators and engaged global citizens.

Additional information on the QCE is available on the [My QCE website](#).

Students who wish to apply for university admission directly from school will need to apply for the Australian Tertiary Admission Rank (ATAR). Please refer to the ATAR information in this guide to learn more about this rank.

Types of subjects

General subjects (G) — General subjects are suited to students who are interested in pathways beyond senior secondary schooling that lead primarily to tertiary studies and to pathways for vocational education, training and work. Students complete Unit 1 and 2 in Year 11, before moving onto Unit 3 and 4 in Year 12. Students cannot change into a new general subject once Unit 3 has begun.

Applied subjects (A) — Applied subjects are suited to students who are primarily interested in pathways beyond senior secondary schooling that lead to vocational education, training or work.

Assessment

Assessment will be different in Year 11 and 12. Year 11 assessment is set and marked by school staff and counts towards your QCE. Year 12 includes four assessments that will contribute towards a students' final grade in each subject.

General subject results will be based on student achievement in three internal assessments and one external assessment. The QCAA ensures that internal assessment align with the syllabus before use and confirm results through moderation for consistency across schools. The QCAA sets and marks external assessment. External assessment is held on the same day in all schools across Queensland.

In most general subjects the internal assessment results will contribute 75% to the overall subject result. In maths and science subjects, the internal assessment results will contribute 50% to the overall subject result.

Applied subject results will be based on student achievement in four internal assessments that are developed and marked by the school. There is no external assessment for applied subjects. For Essential English and Essential Mathematics, one of the four assessments is a common internal assessment developed by the QCAA and marked by Mansfield teachers.



Australian Tertiary Admission Rank (ATAR) eligibility

An ATAR is only required for admission to tertiary study. The calculation of an Australian Tertiary Admission Rank (ATAR) will be based on a student's:

- best five General subject results or
- best results in a combination of four General subject results plus an Applied subject result or a Certificate III or higher VET qualification.

The Queensland Tertiary Admissions Centre (QTAC) has responsibility for ATAR calculations.

English requirement

Eligibility for an ATAR requires satisfactory completion of a QCAA English subject. Satisfactory completion will require students to attain a result that is equivalent to a Sound Level of Achievement in one of four subjects — English, Essential English, Literature or English as an Additional Language.

While students must meet this standard to be eligible to receive an ATAR, the English result does not have to be included in the calculation of their ATAR.



English pathways

English is the official language of our country. With a history spanning more than 1500 years, it is spoken in more parts of the world than any other language, and by more people in the world except Chinese. Mastery of English allows participation in all spheres of Australian society, and increasingly in a global society. English is also one of the predominant languages of the Internet.

Preparatory English	
Subject type	General
Prerequisites	C in Year 9 English is recommended
Course description	<p>Preparatory English follows the Australian Curriculum for Year 10 English while also familiarising students with key aspects of the senior English course. It includes a focus on persuasive and media texts and is organised into three interrelated strands that support students' growing understanding and use of Standard Australian English. Together, the three strands focus on developing students' knowledge, understanding, and skills in listening, reading, viewing, speaking, and writing.</p> <p>The three strands are:</p> <ul style="list-style-type: none"> • Language - knowing about the English language • Literature - understanding, appreciating, responding to, analysing and creating literary texts • Literacy - expanding the repertoire of English usage.
Course units	Unit 1 - Prose Study: Perspectives and Characters (Imaginative Written Response) Unit 2 - Romeo and Juliet (Analytical Written Response) Unit 3 - Prose Study 2: Perspectives in Texts (Written Response for a Public Audience) Unit 4 - Creating Satire (Imaginative Spoken Response)
Assessment types	A range of genres are assessed, including imaginative, persuasive and analytical (see above).
Cost and materials	\$38 + booklist items
Subject pathways in Senior School	
<ul style="list-style-type: none"> • English • English - English as an Additional Language 	



Preparatory English as an Additional Language	
Prerequisites	C in Year 9 English is recommended
Subject type	General
Course Description	<p>Preparatory English as an Additional Language (EAL) follows the Australian Curriculum for Year 10 English, while also familiarising students with key aspects of the senior English or English EAL course. It focuses on persuasive and media texts with a larger focus on language use within the context of each unit and assessment task, providing students with additional opportunities to improve their use of language. Like Preparatory English, it is organised into three interrelated strands that support students' growing understanding and use of Standard Australian English. Together the three strands focus on developing students' knowledge, understanding and skills in listening, reading, viewing, speaking and writing. The three strands are:</p> <ul style="list-style-type: none"> • Language - knowing about the English language • Literature - understanding, appreciating, responding to, analysing and creating literature • Literacy - expanding the repertoire of English usage.
Course units	Unit 1 - Prose Study: Perspectives and Characters (Imaginative Written Response) Unit 2 - Romeo and Juliet (Analytical Written Response) Unit 3 - Prose Study 2: Perspectives in Texts (Written Response for a Public Audience) Unit 4 - Creating Satire (Imaginative Spoken Response)
Assessment types	A range of genres are assessed, including imaginative, persuasive and analytical.
Cost and materials	\$38 + booklist items
Subject pathways in Senior School	
	<ul style="list-style-type: none"> • English • English - English as an Additional Language



Preparatory Literature	
Subject type	General
Prerequisites	A minimum B in Year 9 English is highly recommended
Course description	<p>Preparatory Literature follows the Australian Curriculum for Year 10 English, although it does not involve studying persuasive and media texts like those that are studied in Preparatory English and Preparatory English EAL. Instead, it includes a greater focus on reading and studying more advanced literature and creating more technical imaginative responses. It is also organised into three interrelated strands that support students' growing understanding and use of Standard Australian English. Together the three strands focus on developing students' knowledge, understanding and skills in listening, reading, viewing, speaking and writing.</p> <p>The three strands are:</p> <ul style="list-style-type: none"> • Language - knowing about the English language • Literature - understanding, appreciating, responding to, analysing and creating literature • Literacy - expanding the repertoire of English usage.
Course units	Unit 1 - Perspectives in Nineteenth Century Literature (Imaginative Written) Unit 2 - Representations of Language, Identity and Culture in Shakespearean Texts (Analytical Written Response) Unit 3 - Analysis of a Reimagined Classic into a Modern Film (Analytical Written Response) Unit 4 - The Art of Storytelling (Imaginative Spoken Response)
Assessment types	A range of genres are assessed, including imaginative, persuasive and analytical.
Cost and materials	\$38 + booklist items
Subject pathways in Senior School	
	<ul style="list-style-type: none"> • Literature



Preparatory Essential English	
Subject type	Applied
Prerequisites	Nil
Course description	Essential English follows the English (Australian Curriculum) course with a stronger focus on a workplace pathway rather than an academic pathway. It is designed for students who have experienced some challenges with the subject English in the junior years. While it still follows the three strands of English, there is greater emphasis on the <i>Literacy</i> strand. It is not recommended for students who wish to progress to tertiary study. Acceptance into this course is by invitation only.
Course units	Unit 1: Prose Study (Creative Response) Unit 2: Satire (Multimodal Response) Unit 3: Exploration of Themes (Analytical Response) Unit 4: Prose Study (Persuasive Response)
Assessment types	A range of genres are assessed, including imaginative, persuasive and analytical.
Cost and materials	\$38 + booklist items
Subject pathways in Senior School	
<ul style="list-style-type: none"> Essential English 	

Mathematics pathways

A letter of recommendation will be provided to each Year 9 student regarding the level of mathematics that your student should study in Year 10. Mathematics achievement in Year 10 determines the senior mathematics pathways available. For example gaining a C or better in Preparatory General Mathematics (PGM) leads to the General Mathematics subject in Years 11 and 12.

Preparatory Essential Mathematics	
Subject type	Applied
Prerequisites	Students cannot select this subject. Placement into Essential Mathematics is by invitation from the Head of Department Mathematics only. This subject is for students who struggle with mathematics and may have been part of the Foundation Mathematics classes in Year 9.
Course description	Students study lead-in topics to the Essential Mathematics senior course and are at the foundation of the ACARA Year 10 Program.
Course units	<ul style="list-style-type: none"> • Geometry • Area • Scale and plans • Comparing Data • Financial Mathematics • Simple Probabilities and Simulations • Basics of Algebra
Assessment types	<ul style="list-style-type: none"> • Each term there will be an exam of approximately 60 minutes in class. • There will be one project based – Assignment.
Cost and Materials	<ul style="list-style-type: none"> • The school provides a textbook which is kept at school, extra learning resources are provided on the Learning Place or SharePoint. • \$15 for photocopying assessments and revision materials.
Subject pathways in Senior School	
<ul style="list-style-type: none"> • Essential Mathematics 	

Preparatory General Mathematics	
Subject type	General
Prerequisites	Achievement of C or better in Year 9 Mathematics.
Course Description	This course follows the Australian Curriculum ACARA developing core mathematical skills across all topics.
Course units	<ul style="list-style-type: none"> • Number and Algebra • Measurement and Geometry • Statistics and Probability
Assessment types	<ul style="list-style-type: none"> • Exams at the end of Term 1, 2, and 4 • Problem Solving and Modelling Task (PSMT) – written report Term 3
Cost and materials	<ul style="list-style-type: none"> • \$10 + booklist items
Subject pathways in Senior School	
<ul style="list-style-type: none"> • General Mathematics 	



Preparatory Mathematical Methods

Subject type	General
Prerequisites	At least a B in in Year 9 Mathematics.
Course description	This course follows the Australian Curriculum developing mathematical skills across all topics. This subject involves advanced mathematics with emphasis on algebra. The topics covered are the 10A level of ACARA which involve higher order thinking.
Course units	<ul style="list-style-type: none"> • Number and Algebra • Measurement and Geometry • Statistics and Probability
Assessment types	<ul style="list-style-type: none"> • Exams in Terms 1, 2 and 4 • Problem Solving and Modelling Task (PSMT) – written report Term 3
Cost and materials	<ul style="list-style-type: none"> • \$10 + booklist items

Subject pathways in Senior School

- Mathematical Methods

Preparatory Specialist Mathematics

Subject type	General
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	At least a B in Year 9 Mathematics. Desire to study Specialist Mathematics in Year 11 and 12.
Course Description	This maths elective extends some of the topics taught in Year 10 Preparatory Mathematical Methods and introduces some topics from the senior courses.
Course units	<ul style="list-style-type: none"> • Number and Algebra • Measurement and Geometry • Statistics and Probability • Vectors and Matrices • Linear Programming and Networking
Assessment types	<ul style="list-style-type: none"> • Exam at the end of each term.
Cost and materials	<ul style="list-style-type: none"> • \$10 + booklist items

Subject pathways in Senior School

- Specialist Mathematics



Health and Physical Education pathways

The Health and Physical Education (HPE) learning area reflects the dynamic and multi-dimensional nature of health and recognises the significance of physical activity in the lives of individuals and groups in contemporary society.

Preparatory Health Education		
Course type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course description	Health Education would interest students who are concerned about social justice issues and who have a strong commitment to improving their own and their community's health. Students considering careers in health policy development, health promotion, health and safety laws, regulations, health advocacy, health information management, counselling, social work, medicine, nursing and other allied health professions would find this subject beneficial.	
Course units	Curriculum will be driven by relevant health issues, such as: <ul style="list-style-type: none"> • Coping with stress and anxiety • Homelessness 	Curriculum will be driven by relevant health issues, such as: <ul style="list-style-type: none"> • Body image • Personal decision making (e.g., vaping)
Assessment types	<ul style="list-style-type: none"> • Analytical exam • Written exam 	<ul style="list-style-type: none"> • Multimodal resource with written justification • Action research report
Cost and materials	<ul style="list-style-type: none"> • \$15 + booklist items 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Senior Health (General) 		

Preparatory Physical Education		
Course type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course Description	In PHE, physical activity serves as both a source of content and data, and as the medium for learning. Learning is based in engagement in physical activity with students involved closely through integrated written, oral, physical and other learning experiences through the study of sport.	
Course units	Students will compete in Oz-tag and softball/ disc golf while learning the follow sporting principles: <ul style="list-style-type: none"> • motor learning • biomechanics. 	Students will compete in modified tennis and football while learning the follow sporting principles: <ul style="list-style-type: none"> • energy systems • equity and access.
Assessment types	<ul style="list-style-type: none"> • Practical performance • Exam • Assignment 	<ul style="list-style-type: none"> • Practical performance • Report • Assignment
Cost and materials	<ul style="list-style-type: none"> • \$15 + ring binder folder / dividers / A4 paper / Sports uniform 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Senior Physical Education (General) • Senior Sport and Recreation (Applied) • Certificate III in Fitness 		

Preparatory Sport and Recreation	
Course type	Applied
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course Description	Focuses on the role sport and recreation has in the lives of individuals and communities. It is a subject that provides students with the opportunity to learn through recreational activities.
Course units	Recreational activities enhance skills and teamwork whilst applying officiating skills to individuals and groups Recreational activities are examined while undertaking health assessments, coaching and event management.
Assessment types	On-going assessment of recreational activities. <ul style="list-style-type: none"> • First Aid exam (including CPR) • Officiating folio • Research report • Coaching folio
Cost and materials	\$15 + booklist items + sport uniform
Subject pathways in Senior School	
<ul style="list-style-type: none"> • Senior Sport and Recreation (Applied) • Certificate III in Fitness 	



Preparatory Fitness	
Prerequisites	Nil
Course type	Applied
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Course Description	Focus on the entry level skills needed to deliver fitness programs and services within the school community and include personal training, strength and conditioning for athletes and teams, group fitness sessions.
Course units	A variety of personal based fitness activities.
Assessment types	<ul style="list-style-type: none">• Practical assessment (ongoing)• Module based theoretical activities around personal fitness.
Cost and materials	<ul style="list-style-type: none">• \$15 + booklist items + sport uniform
Subject pathways in Senior School	
<ul style="list-style-type: none">• Senior Sport and Recreation (Applied)• Certificate III in Fitness	

Humanities pathways

Humanities subjects involve the investigation of contentious and challenging issues. This promotes critical thinking that lies at the core of the problem-solving skills required in the 21st century. The Humanities prepares young people to be active participants in their world with Year 10 electives providing students with the opportunity to develop their ability to critically evaluate sources and write insightful evidence-based judgements.

The study of Humanities challenges students academically and exposes them to authentic and real-life practices. The knowledge and skills developed will allow students to contribute meaningfully to society, the workforce and the marketplace and prepare them as potential employees, employers, leaders, managers and entrepreneurs of the future. The learning experiences are designed to provide students with an understanding of how business activity affects daily lives and students learn in contexts that are familiar, practical and relevant. Humanities are essential skills for success in a broad range of subjects in the Senior School and in tertiary study.

Preparatory Accounting		
Subject type	General	
Duration	Elective available for the full-year or for one semester subject to prerequisites	
Prerequisites	Semester 1	Semester 2
	Nil	Preparatory Accounting Semester 1 (Recommended)
Course description	This subject focuses on management accounting tools and strategies used for decision making and evaluating the performance of a business. Students will look at pricing strategies using cost-volume-profit analysis; cash control procedures through the use of cash budgets and analysing and interpreting end of period reports using ratios and internal and external benchmarks.	This subject will introduce students to the financial accounting systems and procedures used by businesses to prepare records and reports to meet financial responsibilities and requirements. The focus for the semester is on the complete accounting process, including the interpretation of financial reports, for sole traders in both service and trade industries.
Course units	Introduction to management accounting <ul style="list-style-type: none"> • Management tools used to aid decision making • Evaluating business performance 	Real-world accounting <ul style="list-style-type: none"> • Accounting for a service business • End of period financial reporting
Assessment types	<ul style="list-style-type: none"> • Combination exam • Project 	<ul style="list-style-type: none"> • Combination exam • Project
Cost and materials	<ul style="list-style-type: none"> • \$15 per semester + booklist items 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Accounting • Business • Diploma of Business • Economics • Social and Community Studies (Applied) 		



Preparatory Ancient History

Subject type	General
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course Description	This course involves the investigation of contentious historical issues that promote critical thinking skills such as the ability to critically analyse and evaluate evidence, develop insightful arguments and draw reasoned conclusions. Students develop these skills through the study of two very exciting areas of Ancient History: one of history's most interesting, and often forgotten, female rulers Boudica and the cultures and warfare of Ancient Greece.
Course units	<ul style="list-style-type: none">• Ancient Greek warfare• Boudica
Assessment types	<ul style="list-style-type: none">• Exam – short answer response to historical sources• Research essay
Cost and materials	<ul style="list-style-type: none">• \$15.00 + booklist items

Subjects aligned with in Senior School

- Ancient History
- Social and community studies (applied subject)

Preparatory Business		
Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course description	This subject provides students with the business knowledge, skills and strategies they need to contribute to the dynamic and constantly changing business environment. They will be provided with opportunities to engage in and understand a range of management practices. Students will explore the impact of a business's culture on its organisational structures, workforce and work environments. They will be provided with opportunities to engage in and understand business practices relating to ecommerce and setting up an online business.	This unit continues to expand students' knowledge, skills and strategies needed to contribute to the dynamic and constantly changing business environment. The course will help students understand the complexities involved in the administration and management of a business. This unit first explores the role of human resources and how to manage a workforce to improve productivity. The second component of the course is operations management including operational processes relating to product, technology in manufacturing, inventory management and ethics and social responsibility of businesses in developing products.
Course units	Business Environments <ul style="list-style-type: none"> • Fundamentals of business • Establishment of a digital business 	Business Development <ul style="list-style-type: none"> • Human resource management • Operations management
Assessment types	<ul style="list-style-type: none"> • Exam – short response • Research inquiry 	<ul style="list-style-type: none"> • Project investigation • Combination exam
Cost and materials	<ul style="list-style-type: none"> • \$10 per semester + booklist items 	
Subjects aligned with in Senior School		
<ul style="list-style-type: none"> • Accounting • Business • Diploma of Business • Economics • Social and Community Studies (Applied) 		



Preparatory Economics

Subject type	General	
Duration	Elective available for the full-year or for one semester subject to prerequisites	
Prerequisites	Semester 1	Semester 2
	Nil	Preparatory Economics Semester 1 (recommended)
Course Description	This unit continues to expand students' knowledge, skills and strategies needed to contribute to the dynamic and constantly changing economic environment. The course will help students understand the economic problem of limited resources faced by individuals, households, businesses and governments and make justified decisions for alternative uses of resources.	This unit continues to expand students' knowledge, skills and strategies needed to contribute to the dynamic and constantly changing economic environment. The course will help students understand the economic problem impacting the unsustainable use of environmental resources. Students will examine how government intervention may offer a path to more environmentally sustainable economic activity.
Course units	Economics and you <ul style="list-style-type: none"> Fundamental economic concepts The economic problem 	Economics of globalisation <ul style="list-style-type: none"> Environmental economics Macroeconomics of globalisation
Assessment Types	<ul style="list-style-type: none"> Combination exam Inquiry research task 	<ul style="list-style-type: none"> Response to stimulus task Inquiry research task
Cost and Materials	<ul style="list-style-type: none"> \$10 per semester + booklist items 	

Subject pathways in Senior School

- Accounting
- Economics
- Business
- Diploma of Business
- Social and Community Studies (Applied)



Preparatory Geography

Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course Description	In this course students investigate the key challenge posed by climate change for our future. They develop key skills in analysing, manipulating, and interpreting data and maps using GIS technology. Emphasis is placed on evaluating sources and justifying recommendations for sustainable management strategies. The course includes a full-day field trip to investigate the potential impact of climate change on the Gold Coast.	In this course students explore the geographic factors which affect human wellbeing. They develop key skills in analysing, manipulating, and interpreting data and maps using GIS technology. Emphasis is placed on evaluating sources and justifying recommendations for improving human wellbeing in less developed countries.
Course units	Environmental change and management: <ul style="list-style-type: none"> • Land degradation • Coastal processes 	Geographies of human wellbeing <ul style="list-style-type: none"> • Human change and wellbeing • Trapped by conflict
Assessment types	<ul style="list-style-type: none"> • Combination exam • Field report 	<ul style="list-style-type: none"> • Data report • Combination exam
Cost and materials	<ul style="list-style-type: none"> • \$10 + \$35 for excursion (Semester 1) + booklist items • \$13 (Semester 2) 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Geography • Social and Community Studies (Applied) 		

Preparatory Legal Studies (G)

Subject type	General	
Duration	Elective available for the full-year or for one semester subject to prerequisites	
Prerequisites	Semester 1	Semester 2
	Minimum C standard in Year 9 English	Preparatory Legal Studies Semester 1 (recommended) and a C in English
Course description	This subject explores the function of law in society. Students will learn their role in the legal system investigating the validity of current legal practices and apply legal decision-making processes to determine effective legal outcomes. Students will examine legal pathways available to members in society and evaluate the legal systems ability to provide for its stakeholders.	This subject explores the function of the law in society relating to family, marriage, divorce and children. Students will investigate the validity of current legal practices and apply legal decision-making processes to determine effective legal outcomes. Students will examine the relevant laws in Australia, evaluate their effectiveness and analyse the effect on individuals within society.
Course units	The legal system Youth justice and the law	Family law Alcohol and the law
Assessment types	Combination exam Argumentative essay	Inquiry report Combination exam
Cost and materials	\$10 per semester + booklist items	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Legal Studies • Certificate IV Justice Studies • Religion and Ethics (Applied) 		

Preparatory Modern History

Subject type	General
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course description	In this course students develop the key skills of source analysis, critical evaluation and evidence-based argumentation. Through the study of historical sources, students explore how Hitler won totalitarian control of Germany and they also investigate the contentious debate over the assassination of John F Kennedy.
Course units	<ul style="list-style-type: none"> • Hitler's dictatorship: the rise of Nazism to the end of World War II • Who shot JFK? The mystery of the assassination of American President John F Kennedy
Assessment types	<ul style="list-style-type: none"> • Exam – short answer response to historical sources • Research essay
Cost and materials	<ul style="list-style-type: none"> • \$15 + booklist items
Subject pathways in Senior School	
<ul style="list-style-type: none"> • Modern History • Social and Community Studies (Applied) 	



Preparatory Ethics and Religion

Subject type	Applied
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course Description	In this course students explore a range of social justice issues and consider the quality of human life and human dignity as they learn about equality and equity across the world and in Australia. They investigate how people seek, explore and express beliefs and practices through the living systems of world religions and spiritualities, including the world's indigenous peoples. Students will develop source analysis skills to examine the role of religious, spiritual and ethical traditions in different contexts related to world religions and spiritualities. They will apply knowledge to make decisions that inform religious, spiritual and ethical views in a range of contexts.
Course units	<ul style="list-style-type: none"> • Social justice • World religions and spiritualities
Assessment types	<ul style="list-style-type: none"> • Exam – response to stimulus with seen sources • Project – multimodal presentation
Cost and materials	<ul style="list-style-type: none"> • \$15 + booklist items

Subject pathways in Senior School

- Ancient History
- Modern History
- Legal Studies
- Religion and Ethics (Applied)
- Social and Community Studies (Applied)



Creative Technologies pathways Information Technologies

Subjects in the Information Technologies learning area prepare students to be effective problem-solvers as they learn about, and work with, contemporary and emerging technologies. In Digital Solutions, students learn about algorithms, computer languages and user interfaces through generating digital solutions to problems. They understand computing's personal, local and global impact, and the issues associated with the ethical integration of technology into our daily lives.

Students engage in practical problem-based learning that enables them to explore and develop ideas, generate digital solutions, and evaluate impacts and solutions. Students analyse problems, and apply computational, design and systems thinking processes to structure and model digital solutions. They develop confidence in dealing with complexity, as well as tolerance for ambiguity and persistence in working with difficult problems that may have many solutions. Students are able to communicate and work with others in order to achieve a common goal or solution. They understand that solutions enhance their world and benefit society.

Australia needs enterprising and innovative individuals with the ability to make discerning decisions about the development, use and impacts of technologies. When developing technologies, these individuals need to be able to work both independently and collaboratively to solve open-ended problems. Digital Solutions benefits students by preparing them for a range of careers in a variety of digital contexts. It develops thinking skills that are relevant for digital and non-digital real-world challenges. It prepares them to be successful in a wide range of careers and provides them with skills to engage in and improve the society in which we work and play. Digital Solutions develops all of the 21st century skills that are critical to students' success in further education and life.



Preparatory Digital Solutions		
Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course Description	<p>Digital Solutions 1 focuses on developing coding skills, developing algorithms, game development, and implementing algorithms as coded solutions.</p> <p>Within this unit students will:</p> <ul style="list-style-type: none"> • Students will develop a Clicker/Idle Game using Python • Students will develop Imagery and Animation using Python 	<p>Digital Solutions 2 focuses on user experience design processes, designing and developing data driven web applications.</p> <p>Within this unit students will:</p> <ul style="list-style-type: none"> • Students will develop a technical proposal for a new web application • Students will be developing a web application • Developing foundational knowledge with HTML, CSS, Python and SQL
Course units	<ul style="list-style-type: none"> • Game development • Algorithms • Programming - Python 	<ul style="list-style-type: none"> • UX design • Data • Web app development – HTML, CSS, Python
Assessment types	<ul style="list-style-type: none"> • Individual project • Programming folio 	<ul style="list-style-type: none"> • Individual project • Practical exam
Cost and materials	<ul style="list-style-type: none"> • \$30 per semester + mouse, external battery pack (charging) 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Digital Solutions • Information Communication Technology (Applied) 		

Food and Fibre Technology

The Food and Fibre subjects develop life skills which promote individual and family health and well-being. Practical skills are developed in Hospitality, Early Childhood and Fashion, while introducing students to possible future career pathways in Allied Health, Hospitality, Design and Fashion.

Students can select from three strands offered by the Food and Fibre Technology faculty.

- **Fashion:** The units of this strand introduce the elements of design and utilise the associated principles to develop skills in practical sewing as well as a thorough understanding of textile development, manufacture and selection of fabrics. Students will use the design process to create a prototype product for a specific design brief.
- **Hospitality:** The unit available in this strand serves as an introduction to the hospitality career pathway and may prepare many students for those part time jobs in this industry. Although not mandatory, it is a useful basis for study in Certificate II/III in Hospitality in Years 11 and 12. Students will learn how to operate safely in a kitchen work environment along with preparing and serving food and beverages to customers.
- **Early Childhood:** The unit available in this strand serves as an introduction to possible careers associated with Early Childhood Studies. Students will develop a learning resource to be delivered to early childhood students at Mansfield State School as part of their assessment. Although not mandatory, this subject is a useful basis for study in the Early Childhood Studies subject offered in Years 11 and 12.

Preparatory Fashion		
Subject type	Applied	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Year 9 Textile and Design Technology recommended but not essential	Year 9 Textile and Design Technology recommended but not essential
Course Description	This subject will reinforce prior learning and skills developed in Textiles and Design 091/092. The unit focuses on the use of the principles of design, the application of commercial patterns and properties of textiles.	This subject will showcase the knowledge and practical skills developed in the earlier units. Students will apply fibre manipulation techniques to produce an article.
Course units	<ul style="list-style-type: none"> • Fashion beginnings 1 	<ul style="list-style-type: none"> • Fashion beginnings 2
Assessment types	<ul style="list-style-type: none"> • Practical assessment of articles • Written exam • Design project 	<ul style="list-style-type: none"> • Practical assessment of articles • Written exam • Assignment
Cost and materials	<ul style="list-style-type: none"> • \$20, A4 notebook and sewing equipment (scissors, pins, quick-un-pick, tailor's chalk, tape measure) 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Fashion 		



Preparatory Early Childhood

Subject type	Applied
Duration	Semester 2 elective only (this is not a full-year subject in Year 10 and is not offered in Semester 1)
Prerequisites	Nil
Course description	This subject will introduce students to early childhood development from Infancy to Pre-school. The subject focuses on exploring: physical, social, intellectual, emotional and language development through play.
Course units	<ul style="list-style-type: none"> • Areas of childhood development • Learning through play
Assessment types	<ul style="list-style-type: none"> • Written exam • Individual and group activities/presentations • Assignment
Cost and materials	<ul style="list-style-type: none"> • \$15 + booklist items

Subject pathways in Senior School

- Early Childhood Studies

Preparatory Hospitality Practices

Prerequisites	Nil
Subject type	Applied
Duration	Semester 1 elective only (this is not a full-year subject in Year 10 and is not offered in Semester 2)
Course description	This subject will introduce students to the hygiene and safety standards expected in commercial kitchens and the hospitality industry. The subject will also focus on planning and preparing menus, practising food presentation and service and will include all planning associated with a sale activity.
Course units	<ul style="list-style-type: none"> • Food presentation • Food preparation • Food marketing and sales
Assessment Types	<ul style="list-style-type: none"> • Written exam • Group activity • A project
Cost and materials	<ul style="list-style-type: none"> • \$25 including printing costs, A4 notebook and weekly ingredients for practical cookery

Subject pathways in Senior School

- Certificate II/III in Hospitality



Languages pathways

The need to communicate is the foundation for all language development. People use language to achieve their personal communicative needs; to express, exchange, interpret and negotiate meaning, and to understand the world around them. Students do not simply learn a language; they participate in a range of interactions in which they exchange meaning and become active participants in understanding and constructing written, spoken and visual texts. Additional language acquisition contributes to and enriches intellectual, educational, linguistic, metacognitive, personal, social and cultural development. It requires intellectual discipline and systematic approaches to learning, which are characterised by effective planning and organisation, incorporating processes of self-management and self-monitoring.

French and Japanese are subjects suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work. A course of study in languages can establish a basis for further education and employment in many professions and industries. For example, those which value the knowledge of an additional language and the intercultural understanding it encompasses, such as business, hospitality, law, science, technology, sociology and education.

French

French is the living and working language of over 300 million of the world's people. It is the official language of the United Nations and is used widely in international law, business and diplomacy. Students who study French have an opportunity to participate in our established exchange programs with France, Switzerland and New Caledonia.

Japanese

Learning Japanese provides not only the ability to communicate with visitors from Japan, but it is the gateway language to other Asian languages. Japanese will help students to unlock future study and career opportunities as well as to develop a deeper appreciation of Japanese culture and values. Students who study Japanese have an opportunity to participate in our established exchange programs with Japan, and participate in several scholarship opportunities.



Preparatory Japanese (G)		
Subject type	General	
Duration	Elective available for the full-year	
Prerequisites	Semester 1	Semester 2
	Year 7, 8 and 9 Japanese	Year 7, 8 and 9 Japanese
Course description	Students will explore popular school trip destinations, accommodation and transportation while reflecting on activities and rules on Japanese school trips. Attitudes of both Australian and Japanese teenagers will be explored through the topic of part time jobs and future inspirations.	Students will discuss tourism in Australia and Japan, considering popular tourist destinations for Japanese visitors. In addition, the semester will centre on comparing the lifestyles of Japanese students with their own, reflecting on cultural similarities and differences.
Course units	<ul style="list-style-type: none"> School trips and travel Part Time jobs and future aspirations 	<ul style="list-style-type: none"> Travel and tourist destinations Homestay in Australia
Assessment types	<ul style="list-style-type: none"> Students are assessed through short and combination response task that covers all four macro skills; listening, speaking, reading and writing. 	<ul style="list-style-type: none"> Students are assessed through a multi-modal task and a combination response task that covers all four macro skills; listening, speaking, reading and writing.
Cost and materials	<ul style="list-style-type: none"> \$15 + booklist items 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Japanese 		

Preparatory French Immersion (G)		
Subject type	General	
Duration	Elective available for the full-year	
Prerequisites	Semester 1	Semester 2
	Year 7, 8 and 9 French Immersion	Year 7, 8 and 9 French Immersion
Course description	This course is an accelerated program that aligns with Year 11 French. Students compare and contrast lifestyles and education in Australian and French-speaking communities, schools, homes and peer-group contexts. They communicate their understanding and experiences of relationships through the use of information and ideas in text and language.	This semester students move beyond their personal sphere to how they engage with the world. They do this by exploring options for personal travel and tourism in French-speaking countries and Australia, and by considering the associated cultural conventions.
Course units	<ul style="list-style-type: none"> Ma vie – My World 	<ul style="list-style-type: none"> L'exploration du monde – Exploring Our World
Assessment types	<ul style="list-style-type: none"> Students are assessed through short and combination response task which covers all four macro skills; listening, speaking, reading and writing. 	<ul style="list-style-type: none"> Students are assessed through an extended response task which covers all four macro skills; listening, speaking, reading and writing.
Cost and materials	<ul style="list-style-type: none"> \$35 + booklist items 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Year 11 Advanced French Year 12 French Extension 		



Preparatory French		
Subject type	General	
Duration	Elective available for the full-year	
Prerequisites	Semester 1	Semester 2
	Year 7, 8 and 9 French	Year 7, 8 and 9 French
Course Description	This semester is centred on living well, relationships and talking about the past.	This semester students will learn how to talk about the environment and making future plans.
Course units	<ul style="list-style-type: none"> • Living well • Relationships • Talking about the past 	<ul style="list-style-type: none"> • Environment • Future Plans
Assessment types	<ul style="list-style-type: none"> • Students are assessed through short and combination response tasks that cover all four macro skills; listening, speaking, reading and writing. 	<ul style="list-style-type: none"> • Students are assessed through a multi-modal task and a combination response task that covers all four macro skills; listening, speaking, reading and writing.
Cost and materials	<ul style="list-style-type: none"> • \$15 + booklist items 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • French 		

Music pathways

Music is a rewarding and creative endeavour which provides students with opportunities to develop their intellect and personal growth through a variety of meaningful experiences. The study of Music encourages self-reliance, promotes independent learning and fosters teamwork, all of which are important transferable skills in today's world. Students gain confidence in performance and enhance their presentation skills, as well as acquiring a life-long leisure activity. Students are involved in presenting / performing music both as singers and instrumentalists. They create music compositions and respond to music through analysis, reflecting on what they have learnt.

Students are able to study **both** Music and Music Extension in the same semester. Alternatively, they may only elect to study one of the Music subjects, Music or Music Extension per semester.

Preparatory Music		
Course type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Year 9 Music or Instrumental Music Student (approved by the HOD) C or above in Year 9 English	Year 9 Music or Instrumental Music Student (approved by the HOD) C or above in Year 9 English
Course description	This unit builds on the knowledge and skills acquired in Year 7, 8, and 9, with a focus on Jazz styles including Blues, Dixieland, Swing, Bebop, Cool Jazz, Bossa Nova and Australian jazz music compositions.	Beginning with the music of the medieval period, students will explore the history of art music, focusing on a range of vocal and instrumental styles which emerged in Europe in the last six centuries. They will discover how and why this music of the past has had such a pervasive influence on the music of today.
Course units	<ul style="list-style-type: none"> All that Jazz 	<ul style="list-style-type: none"> Music in Time
Assessment types	<ul style="list-style-type: none"> Composition Performance – solo instrumental and/or vocal Written analysis examination 	<ul style="list-style-type: none"> Composition Performance – solo instrumental and/or vocal Written analysis examination
Cost and materials	<ul style="list-style-type: none"> \$25, earphones, A4 display folder and Music exercise book (with music staves) 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Music Music Extension (Year 12 only) 		

Preparatory Music Extension		
Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Students may also be studying Preparatory Music Semester 1 Year 9 Music or Instrumental Music Student (approved by the HOD) C or above in Year 9 English	Students may also be studying Preparatory Music Semester 2 Year 9 Music or Instrumental Music Student (approved by the HOD) C or above in Year 9 English
Course description	This course explores the concept of 'Bold or Beautiful' as it applies to both art and contemporary music.	This course explores the concept of 'covers' in music. Additionally, an integrated project assessment allows students to pursue research and analysis in a chosen field of interest.
Course units	<ul style="list-style-type: none"> Bold and beautiful 	<ul style="list-style-type: none"> Under the covers
Assessment types	Items of assessment may include: <ul style="list-style-type: none"> A composition that could be bold or beautiful in its nature Individual or group performance/s A written research/ analysis assignment An assessment journal. 	Items of assessment may include: <ul style="list-style-type: none"> A composition or performance connected to their integrated project A written research assignment/ integrated project including performance or composition An assessment journal Written exam.
Cost and materials	<ul style="list-style-type: none"> \$25, earphones, A4 display folder and Music exercise book (with music staves) 	
Subjects aligned with in Senior School		
<ul style="list-style-type: none"> Music Music Extension (Year 12 only) 		



Industrial Technology and Design pathways

The content taught and the learning experiences encountered within any / all the Industrial Technology and Design Education units, are developed to provide students with an understanding of materials, systems and technological practice through active investigation and participation.

Industrial Technology and Design comprises of five main areas of study which provide a wide cross-section of learning experiences. These areas are; Engineering, Design, Industrial Graphics, Furnishing and Industrial Technology.

- **Design:** The methods explored in these units will prepare students for study of the Design subject in Years 11 and 12. Students will explore user-centred design problems and evaluate existing possibilities as well as unique solutions, with the possibility of providing a resolution through drawn or prototyped responses.
- **Engineering:** The content of units in this strand will allow students to develop an understanding of the graphical, scientific and practical application of structures, material science, analysis and investigation, while learning Engineering principles.
- **Industrial Graphics Skills:** Students will develop skills in spatial conceptualisation and the representation of information in a graphical format using predominately CAD programs. The content studied will utilise skills and knowledge commenced in the introductory units DAT091 and DAT092, the remaining units in this strand have been developed as stand-alone contextual units. Units from this strand form an introduction of contexts that will assist students wishing to study Industrial Graphics Skills in Years 11 and 12.
- **Furnishing Skills:** This subject focuses on the underpinning industry practices and production processes required to manufacture furnishing products with high aesthetic qualities. It provides a unique opportunity for students to experience the challenge and personal satisfaction of undertaking practical work while developing beneficial vocational and life skills. The majority of learning is done through manufacturing tasks that relate to business and industry, and that promote adaptable, competent, self-motivated and safe individuals who can work with colleagues to solve problems and complete practical work.
- **Industrial Technology Skills:** The structure of units in this strand is similar to those in the Furnishing unit, although with a multi material approach (metal/wood/plastic). Subsequent units may be designed around coursework in: construction, engineering skills and associated applications.

Preparatory Design		
Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course Description	This subject focuses on the practical application of design thinking, drawing skills and prototyping skills required to develop creative ideas in response to human needs, wants and opportunities. Students will respond to design briefs that describe open-ended but well-defined simple design problems. Consideration will also be made of economic, social and cultural issues which may affect design outcomes.	This subject extends on the practical application of design thinking, drawing skills and prototyping skills developed in the preceding unit. Students will be required to develop a response to the human needs of an identified individual above all other considerations. The interaction and documentation of developed criteria must be a major priority in developing and meeting these identified criteria.
Course units	<ul style="list-style-type: none"> Design in practice Design influences 	<ul style="list-style-type: none"> Human-centred design Sustainable design
Assessment types	<ul style="list-style-type: none"> Design folio/s Design challenge examination 	<ul style="list-style-type: none"> Design folio/s Design challenge examination
Cost and materials	<ul style="list-style-type: none"> \$15 including printing costs; HB pencil, display folder and a pair of safety glasses 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Design 		

Preparatory Engineering	
Subject type	General
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Satisfactory performance in Mathematics and Science would be of benefit.
Course Description	This subject will introduce students to many elements of the study of Engineering including engineering graphics and the study of statics and dynamics. There is a focus on the theoretical understanding of forces (represented graphically) but will also include the realisation of designs in the form of prototype making e.g., spaghetti bridge.
Course units	<ul style="list-style-type: none"> Statics and dynamics Engineering graphics Control systems
Assessment types	<ul style="list-style-type: none"> Written exams Completion of student workbooks Individual and group activities/presentations Written assignment/s.
Cost and materials	<ul style="list-style-type: none"> \$15 including printing costs; HB pencil, Display Folder, 1 pair safety glasses
Subject pathways in Senior School	
<ul style="list-style-type: none"> Engineering 	



Preparatory Furnishing Skills		
Subject type	Applied	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course Description	This subject will introduce students to many elements of the study of Furnishing, including traditional furniture-making and glazing. The subject will be delivered with practical demonstrations and supervised practical experience as well as the delivery of associated theory. Elements of the design process will also be addressed throughout.	This subject will continue the development of many elements of the study of Furnishing, including contemporary furniture-making and soft furnishing. The subject will be delivered with practical demonstrations and supervised practical experience as well as the delivery of associated theory. Elements of the design process will also be addressed throughout.
Course units	<ul style="list-style-type: none"> Traditional furniture making Soft furnishing / simple upholstery User-centred design 	<ul style="list-style-type: none"> Contemporary furniture making Glazing and framing methods User-centred design
Assessment types	<ul style="list-style-type: none"> Project/s – artefact and associated multi-modal presentation Practical demonstration 	<ul style="list-style-type: none"> Project/s – artefact and associated multi-modal presentation Practical demonstration
Cost and Materials	<ul style="list-style-type: none"> \$50 including printing costs, HB pencil, a pair of safety glasses and hearing protection. 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Furnishing Skills 		



Preparatory Industrial Graphics Skills		
Subject type	Applied	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course description	This subject will introduce students to the industry practices and drafting processes associated with the creation of technical drawings (specifications) which are required in many manufacturing contexts. The subject will be delivered to promote the development of manual and digital drafting skills, through the use of CAD packages.	This subject will continue the development of industry practices and drafting processes associated with the creation of technical drawings (specifications) which are required in many manufacturing contexts. The subject will be delivered to promote the development of manual and digital drafting skills, through the use of CAD packages appropriate to the context.
Course units	<ul style="list-style-type: none"> Furnishing drafting Engineering drafting 	<ul style="list-style-type: none"> Engineering drafting Building and construction drafting
Assessment types	<ul style="list-style-type: none"> Project/s – set of technical drawings and associated multi-modal presentation Practical demonstration Formal exam 	<ul style="list-style-type: none"> Project/s – set of technical drawings and associated multi-modal presentation Practical demonstration Formal exam
Cost and materials	<ul style="list-style-type: none"> \$11 subject charge, a USB, 2H and 4H pencil and soft white eraser 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Industrial Graphics Skills 		



Preparatory Industrial Technology Skills		
Subject type	Applied	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course description	The Industrial Technology Skills subject focuses on the underpinning industry practices and production processes required to manufacture products in a variety of industries. It provides a unique opportunity for students to experience the challenge and personal satisfaction of undertaking practical work while developing beneficial vocational and life skills.	This subject will continue the development of industry practices and production processes required to manufacture products in a variety of industries. The subject continues to provide an opportunity for students to undertake practical work while developing beneficial vocational and life skills.
Course units	<ul style="list-style-type: none"> • Engineering – sheetmetal and fitting / metal machining • Building and construction – various trades 	<ul style="list-style-type: none"> • Engineering - sheetmetal and fitting / metal machining • Building and construction – various trades
Assessment types	<ul style="list-style-type: none"> • Project/s – artefact and associated multi-modal presentation • Practical demonstration • Theory exam 	<ul style="list-style-type: none"> • Project/s – artefact and associated multi-modal presentation • Practical demonstration • Theory exam
Cost and materials	<ul style="list-style-type: none"> • \$30 including printing costs, HB pencil, a pair of safety glasses and hearing protection 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Industrial Technology Skills 		



Science pathways

Science is the concerted human effort to understand, or to understand better, the history of the natural world and how the natural world works, with observable physical evidence as the basis of that understanding. It is done through observation of natural phenomena and/or through experimentation that tries to simulate natural processes under controlled conditions. Mansfield offers all four senior general sciences for students in Year 10 (Biology, Chemistry, Earth and Environmental Science and Physics) as well as the applied subject, Science in Practice.

Preparatory Earth and Environmental Science	
Subject type	General
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course description	In this course students will explore the geosphere, atmosphere, hydrosphere and biosphere as well as space and investigate phenomena associated with Earth systems and processes. Students will explore ways to predict future changes and provide advice about ways to mitigate the effect of human-induced change; explore ways in which science knowledge interacts with social, economic, cultural and ethical factors; and describe and explain complex models of the Earth's interior.
Course units	<ul style="list-style-type: none">• Earth systems and models• Origins of the universe• Development of the atmosphere and hydrosphere• Development of the biosphere
Assessment types	<ul style="list-style-type: none">• First term: research investigation• Second term: data test
Cost and materials	Approximately \$45 (course materials + mandatory excursion fee included) and A4 notebook
Subject pathways in Senior School	
	<ul style="list-style-type: none">• Earth and Environmental Science

Preparatory Chemistry	
Subject type	General
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course description	In this course, students relate matter and energy in chemical reactions as they consider the rate of reaction and the breaking and reforming of bonds as new substances are produced. They are introduced to the mole concept as a means of quantifying matter in chemical reactions. Students conduct investigations to develop their understanding of patterns in the properties and composition of materials. They explore the structure of materials by describing physical and chemical properties at the macroscopic scale and use models of structure and primary bonding at the atomic and subatomic scale to explain these properties.
Course units	<ul style="list-style-type: none"> • Properties and structure of atoms • Properties and structure of materials • Chemical reactions
Assessment types	<ul style="list-style-type: none"> • First term: student experiment • Second term: data test
Cost and materials	Approximately \$20 and A4 notebook
Subject pathways in Senior School	
<ul style="list-style-type: none"> • Chemistry 	

Preparatory Physics	
Subject type	General
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course Description	In this course students develop an appreciation of how an understanding of motion can be used to describe, explain and predict a wide range of phenomena. Students describe linear motion in terms of displacement, velocity, acceleration and time data, and examine the relationships between force, momentum and energy for interactions in one direction. Participation in a range of experiments and investigations will allow students to progressively develop their suite of science inquiry skills while gaining an enhanced appreciation of the range of technologies that have contributed to the development of physics understanding.
Course units	<ul style="list-style-type: none"> • Linear motion • Forces • Electricity
Assessment types	<ul style="list-style-type: none"> • First term: student experiment • Second term: exam
Cost and materials	Approximately \$20 and an A4 notebook
Subject pathways in Senior School	
<ul style="list-style-type: none"> • Physics 	

Preparatory Biology

Subject type	General
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course description	In this course, students explore the ways Biology is used to describe and explain the cellular processes and mechanisms that ensure the continuity of life. An understanding of the processes and mechanisms of how life on Earth has persisted, changed and diversified over the last 3.5 billion years is essential to appreciate the unity and diversity of life. Participation in experiments and investigations will allow students to progressively develop their suite of science inquiry skills while gaining an enhanced appreciation of patterns of inheritance and the effect of a variety of factors on gene pools.
Course units	<ul style="list-style-type: none"> DNA: genes and the continuity of life Continuity of life on earth
Assessment Types	<ul style="list-style-type: none"> First term: research investigation Second term: exam
Cost and materials	Approximately \$10 and an A4 notebook

Subject pathways in Senior School

- Biology

Preparatory Science in Practice

Subject type	Applied
Duration	Semester 1 or 2 elective (this is not a full-year subject in Year 10)
Prerequisites	Nil
Course Description	Preparatory Science in Practice is a single semester elective course designed for Year 10 students who may not wish to undertake a senior general science but still wish to understand, explore, experience and learn concepts and practical skills. This course will have a practical focus with two main pieces of assessment each semester – a practical project and an investigation. Projects require the application of a range of cognitive, technical, and reasoning skills and practical-based theory to produce real-world outcomes. Investigations follow scientific inquiry methods to develop a deeper understanding of a particular topic or context and the link between theory and practice in real world.
Course units	Unit 1: Toy Story, Myth Busters Unit 2: I beg your garden, kitchen chemistry
Assessment types	<ul style="list-style-type: none"> First term: practical project Second term: investigation
Cost and materials	Approximately \$25 and an A4 notebook

Subject pathways in Senior School

- Science in Practice

The Arts pathways

The Arts areas are widely recognised as powerful tools that contribute to the overall development of a student's personal, social and cultural identity. They are a means of expression and as such, give students the opportunity to learn about themselves and the world through the Arts. Students develop the knowledge, skills, processes and attitudes necessary to communicate their ideas, feelings and experiences.

The Arts Department offers four subjects in Year 10 – Visual Arts, Drama, Dance, and Film, Television and New Media. All Arts subjects lead directly to general Year 11 and 12 subjects. There are two applied subject options available in Year 11 and 12; Visual Arts in Practice and Media Arts in Practice. All Arts subjects are organised through learning experiences and assessment in making and responding.

- **Visual Arts:** conveys meaning and knowledge about the world – history, culture, experience, and expression. Art education develops critical thinking and creative problem solving in an increasingly globalised society, where an understanding of visual literacy enables students to be able to make sense of their environment. In Visual Arts students transform their visual perception and ideas into expression in a material form, via making experiences with a variety of media in two and three dimensions and digital experiences. Visual Arts supports students to view the world through various lenses and contexts. Students recognise the significance of visual arts histories, theories and practices, exploring and responding to artists, craftspeople and designers and their artworks.
- **Drama:** the study of Drama gives students both the opportunity to explore the Drama art form for its own sake and to acquire vital communication and performance skills. It involves observing and empathising with people, characters and works from a variety of cultures. In their study of Drama, students may encounter content that challenges them or that is outside the scope of their experience.
- **Dance:** is one of the few art forms that allows total expression of self, as well as being a form of exercise that offers a holistic approach to health including elements of physical, mental, spiritual emotional and social health. By becoming involved in Dance, students can expect to develop an increased understanding of the complex factors associated with dance and its place in Australia's culture. Students will use their bodies to express personal and ubiquitous concepts, exploring the diverse genres, styles and contexts of dance by the skill acquisition processes of choreography, performance and appreciation.
- **Film, Television and New Media:** all public information in the 21st century is mediated through channels of mass communication and non-linear media. They are an integral part of modern life and students come to school with a wide range of experiences with these texts. Opinion, argument, entertainment and 'social information' are all carried by the media, and through this course, students will develop critical thinking skills that are essential to negotiating the complex media landscape. Creative and digital-literacy skills enable students to think, question, create and communicate by designing, producing and critiquing film, TV and new media products.

Preparatory Visual Art		
Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course description	<p>Term 1 focuses on building techniques and processes in an experimental 2D printmaking folio culminating in the creation of a printed tote bag that is inspired by the Australian native plants.</p> <p>In term 2, students learn skills, and techniques of ceramics producing minor works that lead to the creation of a major ceramic sculpture that explores the topic of Identity.</p> <p>Gallery visits to current exhibitions may occur as part of the course.</p>	<p>Term 3 focuses on building techniques and processes in an experimental 2D drawing folio culminating in the creation of a resolved major drawing that is inspired by a natural environment.</p> <p>In term 4 students create a paper sculpture that communicates movement based on the art movement Futurism.</p> <p>Gallery visits to current exhibitions may occur as part of the course.</p>
Course units	<ul style="list-style-type: none"> Textiles: printmaking Identity: ceramics 	<ul style="list-style-type: none"> Place: drawing Construction: movement sculpture
Assessment types	<ul style="list-style-type: none"> Making: minor and major printmaking works Making: minor and major ceramic works Responding: a written research assignment or critique Making/responding: process work in a visual diary associated with research, ideas, developmental work and reflections 	<ul style="list-style-type: none"> Making: minor and major drawing Making: minor and major sculpture Responding: short response written exam (responding to artworks) Making/responding: process work in a visual diary associated with research, ideas, developmental work and reflections Responding: artist statement.
Cost and materials	<ul style="list-style-type: none"> \$30 per semester + visual diary, booklist items 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Visual Art Visual Art in Practice 		



Preparatory Drama		
Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course description	<p>This semester, students will explore the conventions of Gothic Theatre through engaging with a number of scripts and plays in performance. Students will develop skills in shaping and creating dramatic languages to create and respond to drama. They will create and develop characters through scripted text and devising tasks.</p> <p>Students will also build characterisation and performance skills through a small group performance.</p> <p>Additionally, students will develop their analytical skills through a short responding task.</p> <p>Excursions to see live theatre and class workshops may form part of the course.</p>	<p>In this unit, students explore the importance of drama as a way to tell stories and share understandings of the human experience. Engaging with the skills of acting, analysing and devising drama, students work as an ensemble and independently to explore a range of texts, linear, and non-linear dramatic forms to develop dramatic storytelling practices. Students will explore and use a variety of techniques from different theatre styles to create and perform their own drama, engaging with issues relevant to young people.</p> <p>Excursions to see live theatre and class workshops may form part of the course.</p>
Course units	<ul style="list-style-type: none"> Gothic theatre 	<ul style="list-style-type: none"> Storytelling
Assessment types	<ul style="list-style-type: none"> Creating (monologue) Performing (scripted) Responding 	<ul style="list-style-type: none"> Creating (devised) Responding Performing (devised)
Cost and materials	<ul style="list-style-type: none"> \$ 15 per semester + booklist items 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Drama 		



Preparatory Dance (G)		
Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course Description	Students will explore the functions of dance. They will learn a variety of dance styles and develop an understanding of artistic, ritual and social dance. Students will be introduced to the style of contemporary dance, will participate in contemporary technique lessons and learn contemporary movement vocabulary. Students will develop their choreographic skills through participation in contemporary choreographic workshops, where they will learn to manipulate their movements to re-tell a well-known story through dance.	Students will explore the historical, social and cultural significance of dance in musical theatre. Students will study iconic dances from movies and stage productions. They will learn performance techniques and a variety of routines and dance styles associated with dance in Musical Theatre. Students will also explore the significance of ritual and cultural dance throughout history. Students will study a range of cultural dance styles and explore the contribution these styles have made to dance as we know it today.
Course units	<ul style="list-style-type: none"> • Fundamentals • A modern introduction 	<ul style="list-style-type: none"> • Stage and screen • Cultural dance
Assessment types	<ul style="list-style-type: none"> • Making: performance of teacher devised routine • Making: choreography in response to stimulus • Responding: analysis of dance work 	<ul style="list-style-type: none"> • Making: choreography in small groups • Making: performance of teacher devised choreography • Responding: short response written exam (responding to a musical theatre segment)
Cost and materials	<ul style="list-style-type: none"> • \$ 15 per semester + booklist items 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> • Dance 		

Preparatory Film, Television and New Media		
Subject type	General	
Duration	Elective available for the full-year or for one semester	
Prerequisites	Semester 1	Semester 2
	Nil	Nil
Course description	In Unit 1 students will analyse film and television shows that are remakes or adaptations of existing works, in comparison with original texts. The influence of audience and institutions in updating existing works for the contemporary audience will be studied, along with the investigation of failed remakes and reboots. Students will analyse the technical, symbolic and narrative codes and conventions of film languages that have been used in the different representations of main characters in these texts. Students explore these representations in relation to the cultural context of the films focussing on whether the representations challenge or reinforce dominant beliefs held in society.	Students investigate the ways in which auteur theory relates to classic and modern films. The unit will focus on specific directors exploring how they make use of symbolic and technical codes creating conventions within the moving-image productions they create. Students will focus on how technologies, representations and languages engage audiences through each directors' filmmaking styles. Students will explore the technical and symbolic codes used by these directors in order to inform the design and making of their own productions, as well as appraise how the directors have created meaning for an audience.
Course units	<ul style="list-style-type: none"> We've run out of ideas: reboots, remakes and reimaginings 	<ul style="list-style-type: none"> Thanks for the tips – directors
Assessment Types	<ul style="list-style-type: none"> Making: treatment, storyboard and trailer production – reimagining a show. Responding: case study – exploring the changes in a particular franchise or rebooted shows. 	<ul style="list-style-type: none"> Making: treatment, short film & reflection paying homage to the conventions of a particular director. Responding: exam – essay response to film stimulus.
Cost and Materials	<ul style="list-style-type: none"> \$25 per semester + booklist items Booklist items include a high-quality pair of ear/headphones (extremely important for this unit) and a hard drive or substantial sized USB for editing. 	
Subject pathways in Senior School		
<ul style="list-style-type: none"> Film, Television and new Media Media Arts in Practice 		



Study Support

This unit consists of an integrated support program in the core areas of literacy, numeracy and technology. Student entry to study this unit of work is by invitation and negotiation for those students who have previously been supported.

Students are given the opportunity to work on assignments and homework from other subject areas. This gives them the time needed to ensure that they are able to keep up with the demands of all of their subjects.

Students must speak to the HOD (Differentiated Learning) before selecting this subject. There is no formal assessment in this subject.

Prerequisites and recommendations for Senior Subjects (Year 11 and 12)

Faculty	Subject	Type of Subject	Prerequisites	Recommendations
Creative Technologies	Digital Solutions	General	C Prep Digital Solutions or C Prep English	B Prep English
	Food & Nutrition		C Prep English	C in Prep Food & Nutrition
	Early Childhood Studies	Applied	Nil	C Prep English
	Fashion		Nil	C Prep English
	Information & Communication Technology		Nil	C Prep English
	Certificate II/III Hospitality	Certificate	Nil	C Prep English
English	English	General	C Prep English or Prep Literature	Nil
	English as an Additional Language		English is not your parent's first language & C in Prep English or Prep Literature	
	Literature		B Prep English or C Prep Literature	B Prep Literature
	Essential English	Applied	Nil	C Prep English
Health and Physical Education	Health	General	B Prep English	B Prep Health
	Physical Education		C Prep English	C Prep Physical Education
	Sport & Recreation	Applied	Nil	C Prep English & C Prep REC
	Certificate III in Fitness	Certificate	Nil	C English
Humanities	Ancient History	General	C any Prep Ancient or Modern History or C Prep English	B any Prep History or B Prep English
	Accounting		C Prep Accounting or C Prep English	B Prep English or C Prep General Maths
	Business		C Prep English or C Prep Business	B Prep English or C Prep General Maths
	Economics		C Prep Economics or C Prep English & C Prep General Maths	B Prep Economics or B English
	Geography		C Prep Geography or C Prep English & C Prep General Maths	B Prep Geography or B English
	Legal Studies		C Prep Legal or C Prep English	B Prep English
	Modern History		C any Prep Ancient or Modern History or C Prep English	B any Prep History or B Prep English
	Social and Community Studies	Applied	Nil	C Prep English
	Diploma of Business	Certificate	C Prep English	B Prep English C & Prep Business
	Certificate IV Crime & Justice		Nil	C English
Industrial Technology and Design	Design	General	C Prep General Maths & Prep English	C Prep Design
	Engineering		B Prep General Maths & C Prep English	C Prep Engineering
	Furnishing Skills	Applied	Nil	C Prep English & C Prep General Maths
	Industrial Graphics Skills		Nil	C Prep English & C Prep General Maths
	Industrial Technology Skills		Nil	C Prep English & C Prep General Maths
	Certificate II Engineering Pathways	Certificate By Invitation only	Nil	C Prep English & C Prep General Maths
	Certificate III Engineering Technical		Nil	C Prep English & C Prep General Maths

Languages	French	General	C Prep French	Nil	
	Advanced French		C French Immersion	Nil	
	Japanese		C Prep Japanese	Nil	
	Arabic Chinese — full form characters Indonesian Korean Latin Modern Greek Polish Punjabi Russian Vietnamese	Senior External Examination Only (SEE) Year 12 only	Must be very familiar with the language.	Usually spoken in the home	
	Mathematics	General Mathematics	General	C Prep General Maths	If studied Essential Maths Year 10 must see HOD Maths before choosing General Maths
		Mathematical Methods		C Prep Maths Methods	Nil
		Specialist Mathematics		Must also do Math Methods	C Prep Maths Methods
		Essential Mathematics	Applied	Nil	Completion of a Year 10 Maths
	Music	Music	General	C Prep Music and / or audition	C Prep English
Music Extension (Composition)		Satisfactory Units 1 & 2 Yr 11 Music		Nil	
Music Extension (Musicology)		Satisfactory Units 1 & 2 Yr 11 Music		Nil	
Music Extension (Performance)		Satisfactory Units 1 & 2 Yr 11 Music		Nil	
Science	Biology	General	B Prep General Maths or C Prep Maths Methods & C Prep English	C Prep Biology or other science	
	Chemistry		B Prep General Maths or C Prep Maths Methods & C Prep English	C Prep Chemistry or other science	
	Earth & Environmental Science		B Prep General Maths or C Prep Maths Methods & C Prep English	C Prep Earth & Enviro or other science	
	Physics		C Prep Maths Methods & C Prep English	Study Math Methods for Year 11& 12 & C Prep Physics	
	Science in Practice	Applied	C Prep English	C any Prep Science	
The Arts	Dance	General	C Prep English	C Prep Dance or Dance Experience	
	Drama		C Prep English	C Year 9 Drama and/or 10 Prep Drama	
	Film, Television & New Media		C Prep English	C Year 9 Media and/or 10 Prep Film, TV & New Media	
	Visual Art		C Prep English	C Year 9 Art and/or 10 Prep Art	
	Drama in Practice	Applied	Nil	C Prep English	
	Media Arts in Practice		Nil	C Prep English	
	Visual Arts in Practice		Nil	C Prep English	



PATHWAYS to QCE