



A Guide to Stage 5 Courses 2023–2024

Together we succeed

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Introduction

The subject selection process is a very important decision for students and parents when preparing for Years 9 and 10. This booklet and the subject selection presentation are key tools to assist you to successfully navigate this process.

This handbook has been developed to provide a summary of the courses that are available at James Fallon High School in 2023–24 for Years 9 and 10. This will support students and their parents in preparing for entry into Stage 5.

Current Year 8 students will use the information in this booklet to make informed choices about their Stage 5 pattern of study. Years 9 and 10 together constitute the Stage 5 course. Grades from all subjects studied over the two years are submitted to NESA for the awarding of the Record of School Achievement (RoSA) credential. This credential is a prerequisite for the commencement of the Year 11 Preliminary HSC course, the first year of Stage 6 studies.

The first section of this booklet provides general information about pattern of study requirements and an outline of the Mandatory Subjects which all Year 9 students will study.

The second section provides an outline *of elective subjects from which students must study at least TWO (2)*.

It is important for students to give their elective choices careful consideration by doing the following:

Students should select subjects they enjoy, as this will provide them with a positive attitude towards learning and develop the essential study skills and motivation required for success in Years of 11 and 12.

Students should focus on selecting subjects that interest them, not what their friends are doing or the teacher who may take the class.

Parents and students must note that students do not need to limit their elective choices in Stage 5 to areas they think they may wish to pursue in senior years.

No subjects in Years 11 and 12 have a prerequisite in the junior school.

Parents, please read the information contained in this handbook carefully, so that you may be in a position to guide your child in the selection of the elective subjects. If any parents have questions, please contact the school on 6025 1688 or email.

The commencement of Stage 5 is an exciting time for students. They are offered new challenges and have real choices in terms of the curriculum they study. I would like to take this opportunity to wish each student well for their studies in Stage 5 and implore each student to commit themselves to their studies and enjoy the curriculum pattern they choose.

Amanda Cook

Deputy Principal

Record of School Achievement (RoSA)

The NSW Education Standards Authority (NESA) issues the Record of School Achievement (RoSA) to eligible students who leave school before completing the Higher School Certificate (HSC).

The RoSA is a cumulative credential, meaning it contains a student's record of academic achievement up until the date they leave school. This could be between the end of Year 10 up until and including some results from Year 12.

The RoSA records completed Stage 5 (Year 10) and Preliminary Stage 6 (Year 11) courses and grades, HSC (Year 12) results, and where applicable participation in any uncompleted Preliminary Stage 6 courses or HSC courses.

The RoSA is useful to students leaving school prior to the HSC because they can show it to potential employers or places of further learning.

The RoSA is also available to students who, from 2023, have not demonstrated the [HSC minimum standard](#) to receive their HSC.

In line with the RoSA the school ensures that each student studies a pattern of courses which meets NESA's requirements. To meet academic requirements students in Stage 5 must:

- **Follow** the course developed or endorsed by NESA, as delivered by the school.
- **Apply** themselves with diligence and sustained effort to the set course work, tasks and experiences provided in the course by the school including, attending all classes, attempting all work/tasks and homework.
- **Achieve** some or all of the course outcomes as demonstrated in class work, assessment tasks, practical requirements and assigned work.
- **Maintain** a satisfactory level of class attendance. A student whose attendance affects their ability to demonstrate understanding of course outcomes is at risk of an N-determination for not satisfactorily completing the course. This will prevent them from attaining a RoSA. Students are responsible for explaining their absences to each teacher

If attendance is less than 95% of available school time, then a student will have difficulty achieving a reasonable range of outcomes for each course being studied. Where a student's attendance and/or effort are in question or obviously unsatisfactory, parents will be notified.

More information can be found at:

<https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/leaving-school/record-of-school-achievement>

or by scanning the QR code.



Pattern of Study

Students are required to study the following subjects.

Mandatory

- English
- Mathematics
- Science
- Personal Development
- Health and Physical Education (PDHPE)
- History
- Geography
- Guidance
- Careers

Each of these subjects is a two (2) year course of study leading to the award of the Record of School Achievement (ROSA) at the end of Year 10.

Electives

Each student is also required to study at least 2 elective subjects during Years 9 & 10. Descriptions of elective subjects are shown in the latter section of this booklet. 200-hour courses run for two years, 100 hour courses run for one year.

At James Fallon High School we predominately encourage the selection of 2 x 200-hour courses. However, should changes in electives be required between years 9 and 10, these will occur on a case-by-case basis to ensure a correct pattern of study for the attainment of a RoSA.

Special Course Requirements

Some subjects involve costs for materials and or excursions. Students who select such courses will be expected to meet these expenses in the usual system of payments and are expected to attend excursions.

Some subjects have special requirements. For example, to supply and wear an apron, or special footwear. Students who select these courses will be expected to meet these requirements.

Choosing Subjects

Given that students need to take responsibility for their choices and remain in the courses they have selected for the full two years, it is **critical that students are thoughtful and responsible** about the way they go about choosing subjects.

When choosing subjects, the following points should be considered.

- Students usually do best in subjects in which they are **interested**.
- The elective subjects you choose now are ones you will study in Year 9 and Year 10, so it is really important you choose what you are interested in, not what your friends are doing!
- The subjects you choose in Year 9 will generally **not affect** your choice of subjects later in your school career, however some subjects may provide you with a basic understanding in your HSC.
- Every endeavour will be made to ensure that students get their first two (2) choices, but we ask that students indicate four (4) choices in order of preference to assist us in our organisation.
- Students may only choose a subject once.
- Parents/carers should be aware of the subject fees charged for materials in some subjects and ensure that the financial commitments required for the subjects chosen can be met.

Changing Subjects

Changing subjects after classes have been formed in response to initial student choices is not always possible and is not recommended.

For this reason, students and parents should carefully consider their choice of elective subjects.

Procedure for Nominating Subject Choices

Subject elective choices will be made by students online during class time in the coming weeks. Students will be asked to nominate their first two preferences and then three reserve choices. If parents or carers wish to discuss any of the information in this booklet, or any other matters relating to Stage 5 Elective Choices, please feel free to contact me at the school.

Mandatory Subjects

English

In 2023 we begin to teach the Stage 5 NSW junior English syllabus to Year 9. The study of English is extremely important for every student's success in his/her chosen career. The English course in Year 9 prepares students for the increasing demands as they move into Stage 5 of their studies.

Students will be actively involved in language activities focusing upon everyday communication, personal expression, literature study and mass media experience. Year 9 English is a student-centred course where students are called upon to take an active role in their own learning through individual activities and co-operative group work projects.

The study of English will involve students in a wide variety of speaking activities, personal writing activities, film study, live theatre excursions and classroom assignments. An abundance of extension and enrichment activities are provided to students with a special interest in English, and there are specialist resources available to students with individual needs in English.

The aim of English is to enable students to strive towards personal excellence in using language. English is a subject at the centre of all career choices, and effective English skills will provide a sound foundation for Year 9 students who will acquire skills to equip them for life in the Information Age and the twenty-first century.

Ms Kate Dixon

Head Teacher English and History

Mathematics

Courses offered:

- Mathematics Stage 5.3
- Mathematics Stage 5.2
- Mathematics Stage 5.1

Note: This pattern of classes and courses assumes five classes and will vary in some years.

Mathematics Stage 5.1

A reasonably practical course that reinforces and develops the skills and knowledge from the Stage 4 (Years 7 & 8) Mathematics course, and gives students experience in the applications of mathematics to their lives. Basic areas of Number, Patterns and Algebra, Data and Measurement, Trigonometry and Geometry are covered.

Leads to either the Numeracy course or Mathematics Standard in Years 11 and 12.

Mathematics Stage 5.2

For students who require extensive experiences leading to their development of mathematics ideas, and those who are still developing a more abstract approach to mathematical thinking. This course covers all Stage 5.1 work and extends concepts in number from each set of skills.

Leads to Mathematics Standard in Years 11 and 12.

Mathematics Stage 5.3

Generally, the most abstract of the three courses. Students who study this course will need to spend more time revising content to consolidate their understanding. Students will need to develop skills to the point of quickly solving more demanding mathematical concepts. While all Stage 5.1 and Stage 5.2 work is covered students move on to the more abstract concepts of Algebra, further Trigonometry, further Geometry, and logical reasoning.

Leads to Mathematics Advanced and or Extension Courses – in Years 11 and 12.)

Mr Ken Elliott

Head Teacher Mathematics

Science

The Science course offered in Year 9 at James Fallon High School gives students a chance to find out about the principles, laws and theories of the world around us by a process of investigation and problem solving. We stress that in our society, technology is developing at a rapid rate and young people need to be familiar with and competent in the use of modern technologies.

A mandatory part of the curriculum is the completion of an **Individual Research Project**.

The year 9 topics for next year:

Skills

This unit focuses on science inquiry skills, providing students to develop and carry out open investigations. Students develop skills in technology, science understandings, questioning and predicting, planning, and conducting, processing and analysing data, evaluating and communicating.

Chemical Reactions

This unit focuses on the concepts of chemistry; that matter is made up of atoms, types of chemical reactions and the formation of new substances. Students will look at the importance of scientific models and theories related to chemistry, and current advancements in technology that are linked to these discoveries.

Light, Sound, Action

In this unit students will study models that are applied by scientists to create understanding of phenomena. The particle and wave models will be studied and related to heat transfer, electricity, sound, electromagnetic waves and light. Students will build electric circuits and investigate current, voltage and resistance and can be extended by introducing Ohm's law. Students will split white light into the colour spectrum and describe the occurrence of reflection and refraction. The advantages and disadvantages of the different types of electromagnetic waves will be studied.

Ecosystems and Change

In this unit students will study how Multi-cellular organisms rely on coordinated and interdependent internal systems to respond to changes to their environment

Big Systems

This unit encourages students to draw on their science knowledge from previous units, while taking a fresh look at planet Earth. Big Systems explores Earth as part of the universe, the biggest system we know, and investigates the complex systems Earth supports in its own right, from its atmosphere to below the surface crust. Climate science and plate tectonics are used as integrating themes to illustrate systems that operate, and have to be studied, on a big scale, including the need for multidisciplinary and large international research teams to work together in the human quest to understand our planet, its origin and its future.

Ms Heather Knight
Head Teacher Science

History

In Years 9-10, students learn of significant developments in the making of the modern world and Australia.

Mandatory studies include:

- Australians at War (World Wars I and II)
- Rights and Freedoms of Aboriginal and Torres Strait Islander Peoples.

Other topics may include the making of the Australian nation, the history of an Asian society, Australian social history and migration experiences.

Ms Kate Dixon

Head Teacher English and History

Geography

Students studying Year 9 Geography investigate environmental change and differences in human wellbeing and discuss strategies for addressing geographical challenges, taking into account environmental, economic, and social factors.

Students undertake geographical inquiry to build knowledge and develop an understanding of people, places, and environments through the collection, collation and analysis of primary data and secondary information.

Year 9 Geography students will participate in mandatory fieldwork that will assist in embedding their knowledge for the subject content and support their assessment task.

The two key focus areas will be taught in Year 9 Geography include:

Changing Places

Students examine the patterns and trends in population movements and the increasing urbanisation of countries. They discuss the reasons for internal and international migration patterns, and the consequences of population movements, including the increased concentration of populations within countries.

Sustainable Biomes

Students examine the physical characteristics and productivity of biomes, assessing the correlation between the world's climatic zones and spatial distributions of biomes. They analyse the impact humans have on biomes in an effort to produce food and increase agricultural yields. Examining population trends and projections from Australia and across the world.

Mr Richard Leahy

Head Teacher Social Sciences

Personal Development, Health and Physical Education

PDHPE is a mandatory course that is studied in each of Years 7–10.

Through PDHPE students develop knowledge, understandings, skills, values, and attitudes that enable them to advocate lifelong health and physical activity, as well as developing student's capacity to enhance personal health and well-being. Students are provided with the opportunity to enhance and develop resilience and connectedness and learn to interact respectfully with others.

All students will study the following three content strands:

Health, Wellbeing and Relationships - building respectful relationships, enhancing personal strengths and exploring personal identity to promote the health, safety and wellbeing of themselves and others. Students develop strategies to manage change, challenges, power, abuse, violence and how to protect themselves and others in a range of situations.

Movement Skill and Performance - focuses on active participation in a broad range of movement contexts to develop movement skill and enhance performance. Students develop confidence and competence to engage in physical activity. Through movement experiences students also develop self-management and interpersonal skills to support them to strive for enhanced performance and participation in a lifetime of physical activity.

Healthy, Safe and Active Lifestyles - focuses on the interrelationship between health and physical activity concepts. Students develop the knowledge, understanding and skills to empower them to make healthy and safe choices and take action to promote the health, safety and wellbeing of their communities. They engage with a range of health issues and identify strategies to keep them healthy, safe and active.

Throughout the course students will learn to apply key skills of communication, interaction, problem-solving, decision-making, planning and moving which will allow them to take charge of their own health and physical activity.

Ms Carissa Furze

Head Teacher PDHPE

Careers

Careers is a compulsory subject for all Year 10 students. The subject is **not** taught in Year 9 although the Careers Adviser is available to these students too. Current Year 8 students will begin their formal Careers education in Year 10 in 2022 with timetabled classes.

Careers is a mandatory subject that involves planning for future pathways. The journey from school to work involves self-evaluation and examining skills for lifelong learning in the world of work. Resume writing, mock interviews, and work experience are fundamental parts of this program. The content of the course is related to the individual interests and aspirations of each student.

Mr Hamish Taylor

Careers Advisor

Guidance

Year Advisors and Guidance Lessons

An important element of the Student Welfare program at James Fallon High School is the Guidance lesson during which Student Advisors in years 7 - 10 meets with each class in the year, once every two weeks.

This lesson provides an excellent opportunity for pastoral care as well as organisational concerns.

Ms Clare Holloway and Ms Amber Gilbert

Year Advisors

Elective Subjects

Aboriginal Studies

Aboriginal Studies provides students with opportunities to develop knowledge and understanding of the diverse cultures, identities and lived experiences of Aboriginal Peoples. It explores the fundamental significance of land and spirituality, the importance of autonomy and self-determination, and contemporary issues affecting local Aboriginal communities and communities across Australia.

Students have opportunities to develop research and consultation skills to engage respectfully with Aboriginal communities and become active and informed advocates for a just and inclusive world.

The Core Topics studied include:

- Aboriginal Identities
- Aboriginal Autonomy

Elective Topics that can be negotiated between teacher and student involve:

- Aboriginal Enterprises and Organisations
- Aboriginal Peoples and the Media
- Aboriginal Visual Arts
- Aboriginal Oral and Written Expression
- Aboriginal Performing Arts
- Aboriginal Film and Television
- Aboriginal Technologies and the Environment
- Aboriginal Peoples and Sport
- Aboriginal Interaction with Legal and Political systems

Mr Richard Leahy

Head Teacher Social Sciences

Agricultural Technology

The study of Agricultural Technology aims to develop students' learning through experiences in the management of plant and animal enterprises and the marketing of a range of products.

Agriculture in years 9 & 10 is designed to increase student understanding and abilities in the use of technologies associated with agricultural enterprises. Skills that are developed include the ability to research, design, collect and organise information, work as a team, plan and organise activities, manage small enterprises, market products, solve problems, innovate, carry out scientific experimentation and communicate to a variety of audiences.

Participation in Agricultural Technology appeals to students through their attraction to care for plants and animals, which fosters responsibility in relationships and personal satisfaction from tangible outcomes and practical skills. Practical activities make up at least 50% of course time.

Contribution to cover the cost of materials – \$20.00

Ms Heather Knight

Head Teacher Science

BIG HISTORY– The Story of Everything Through Science

What is BIG HISTORY?

Where did everything come from? How did we get to where we are now? Where do humans fit in? Where are things heading? These are questions that origin stories of different cultures have addressed for thousands of years. Big History attempts to answer them by examining the entire past of the Universe using the best available ideas from disciplines such as astronomy, chemistry, biology and history. Throughout the course, you will explore different scales of time and space and view human history from new angles. You will learn what we know and what we do not, consider our place in the Universe, and develop your own ideas for what the future may hold.

Areas of study

- The Big Bang
- The creation of stars
- New chemical elements and the death of stars
- The Earth and the Solar System
- The creation of life
- Collective Learning
- The development of agriculture
- Human expansion and interconnection
- The Modern Revolution
- The future and what it may hold

For more information, please access the following link:

<http://www.bighistoryschool.org/core-200/>

Ms Heather Knight

Head Teacher Science



Child Studies

A better start to life creates a better future for the child. Child Studies enables young people to understand the interrelated factors that influence the early years and their impact on the next generation of successful, creative and confident learners and citizens.

Child Studies promotes in students a sense of empathy for children, their parents, caregivers and those that have the potential to influence learning environments. It provides students with the opportunity to positively influence the wellbeing and development of children in the critical early years (0-8 years) in a range of settings and contexts.

Child Studies includes study of preconception and family preparation, newborn care and the influence and impact of nutrition, play, technology and the media. Students study the influences on a child's environment and learn to identify, create and evaluate solutions to enhance child wellbeing. They become aware of and learn to access a range of relevant community resources and services.

Over Years 9 and 10, students will study from a selection of the following modules:

Preparing for parenthood	Family interactions	Growth and development
Conception to birth	Health and safety in childhood	Food and nutrition in childhood
Children and culture	Newborn care	Aboriginal cultures and childhood
Play and the developing child	The diverse needs of children	
Childcare services and career opportunities	Media and technology in childhood	

The knowledge, understanding, skills and values developed through this course provides a foundation for a wide range of study options in and beyond school that support young people in voluntary caring, supervision and child support roles, as well as formal work opportunities such as childcare and education.

For more information, please access the following link:

<https://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/pdhp/child-studies-7-10-2019>



Mrs Carissa Furze

Head Teacher - PDHPE

Commerce

Commerce provides the knowledge, skills, understanding, and values that form the foundation on which young people make sound decisions on consumer, financial, business, legal and employment issues. It develops in students an understanding of commercial and legal processes and competencies for financial management.

Through the study of Commerce, students develop financial literacy, which enables them to participate in the financial system in an informed way. Students who study Commerce learn about the attributes required to become an ethical and socially responsible citizen.

The major assessment task for Commerce students is designed around Project Based Learning, which allows students to gain knowledge and skills by working for an extended period of time on a Commerce-based topic of interest to them. Students self-manage their assessment, identifying skills, questions, and problem-solving strategies that they will apply when completing this task. Extensive class time is provided to support students through this process, with their teacher guiding them to investigate the topic that they have selected in a real world context.

Commerce provides students with an introduction to HSC subjects such as Economics, Business Studies and Legal Studies, with students who have completed Commerce historically achieving excellent results in their HSC.

The Core Topics studied include:

- Consumer and Financial Decisions
- The Economic and Business Environment
- Employment and Work Futures
- Law, Society and Political Involvement

Elective Topics that can be negotiated between teacher and student involve:

- Investing
- Promoting and Selling Travel
- Law in Action
- E-commerce
- Our Economy
- Global Links
- Running a Business
- Towards Independence
- Community Participation
- Political Involvement

- School-developed Option

Mr Richard Leahy

Head Teacher Social Sciences

Dance

Dance in Year 9 emphasises more sophisticated learning in relation to the historical study of Dance, the physiology of the human body, individual and group performance and styles. The related arts of music, visual arts and drama support many of the styles of dance studied and are given greater consideration in this syllabus. Students work at expressing themselves musically and artistically in performance in this course.

The syllabus is divided into three major areas: Performance, Composition and Appreciation.

The aim of the Dance syllabus is to develop the students' ability to:

- express themselves through dance;
- compose, perform and choreograph in dance;
- develop skills and techniques of dance with an understanding of anatomy, physiology and kinesiology;
- appreciate dance as a performing art;
- understand and accept a variety of dance styles;
- obtain knowledge of dance in an historical context;
- promote an understanding of themselves and others by providing opportunities for them to work in cooperative circumstances.

Students who elect to study Dance must be willing to perform both individually and within the group. While it is not compulsory to have studied Dance in year 8 or outside the school environment, it is recommended if students are to be sufficiently motivated to succeed in this course.

Contribution to cover the costs of the course – \$10.00

Ms Katrina Joss

Head Teacher Creative and Performing Arts

Drama

Drama is a course for students with a special interest in making, performing, and enjoying theatre - both on and off the stage.

Drama from Years 8 - 10 is organised under the practices of:

- Making
- Performing
- Appreciating

In Year 9 specifically, students are involved in units on: Improvisation, Scriptwriting, Play building, Monologues, Melodrama, and a full-class production.

These are studied in the context of the essential components of the course which are:

Improvisation, Play building and the study of theatrical styles and forms.

Drama is a subject that opens young people up to the world and invites them to explore that world through play. Through this course, students will develop not only their self-confidence but also a deeper, more profound understanding of others. All students will perform to a range of audiences during the year. The School Musical occurs every two

years and Drama students are encouraged to audition. Students are required to participate willingly and need to work collaboratively with their peers.

The cost involved in this subject ensures that each student has access to either a live show or workshop during the year. Students are offered live shows either at Hothouse Theatre, at other schools or touring theatre companies such as Bell Shakespeare.

Students may continue to study Drama for the Higher School Certificate. Further training is available locally at La Trobe University, Wodonga and Charles Sturt University, Wagga - but the skills students learn in Drama are not only relevant to the entertainment industry. The skills students learn in Drama will not only help them in any given career - but will also help them develop into more confident and empathetic young adults.

Contribution to cover the cost of participating in some external activities - \$20.00

Ms Katrina Joss

Head Teacher Creative and Performing Arts

Food Technology

Food Technology provides students with a broad knowledge and understanding of food properties, processing and preparation, nutritional considerations, and consumption patterns. The importance of hygiene and safe working practices are highlighted.

Students develop practical skills in preparing and presenting food that will enable them to select and use appropriate ingredients, methods and equipment.

Students will engage a variety of ICT' s (Information and Communication Technologies) through activities such as researching, evaluating and communicating issues and ideas related to food.

Core

- Food preparation and processing
- Nutrition and consumption

Practical Experiences

- the development of food preparation skills.

Course requirements also include a full, white apron and covered leather shoes for practical work. Safety and hygienic work practices are emphasised.

Contribution to cover the cost of materials – \$60.00

Mr Ross Kirkwood

Head Teacher TAS

History Extension

This course allows students to explore topics and skills in History in more depth. Students will have the opportunity to learn more about their favourite topics through a variety of fun and interesting activities. Topics that may be studied could include:

- The gods and myths of Ancient Greece
- The mysteries of the pyramids of Ancient Egypt
- The Dreamtime and the importance of ancient Aboriginal people
- Life as a gladiator of Ancient Rome
- Living in a castle in the Middle Ages
- Bushrangers - villains or heroes?
- Development of weapons and soldiers through history
- The gory crimes and punishments in the past
- Sports and sports stars from the past
- Learning about the past from movies (and looking for historical mistakes!)
- Growing up and being a student in the past
- Family history and family trees
- Games and toys that children used to play with
- Unsolved mysteries from the past
- And the list goes on!...

Students actively explore the fascinating world of digging up the past, take part in excursion events to special history sites, discover the past through the internet, and create movies and special projects to showcase their skills.

This extension elective is additional to the core History course.

Ms Kate Dixon

Head Teacher English and History

Industrial Technology – Metal

This course is designed to increase the practical skills and theoretical knowledge in Metalwork. During Year 9 students will undertake set projects along with associated and applied theory. When a student submits a completed practical project for marking, the following items must be included.

1. A practical project.
2. A folio containing:
 - a) a sketch of the project.
 - b) steps in construction of the project.
 - c) materials list.

In Year 10, students will have to design and manufacture a practical project of their own choice. Before commencing this practical project, an assignment that includes (a) a sketch of the project, (b) a materials list and (c) the steps in how the student intends to make the project, must be submitted for approval. Materials for this major practical project are to be purchased and supplied by the student.

Course requirements include covered leather shoes that MUST be worn for practical work.

Contribution to cover the cost of materials – \$60.00

Mr Ross Kirkwood

Head Teacher TAS

Industrial Technology – Timber

This course is designed to increase the practical skills and theoretical knowledge in Woodwork. During Year 9, students will undertake set projects along with associated and applied theory. When a student submits a completed practical project for marking, the following items must be included.

1. A practical project.
2. A folio containing:
 - a) a sketch of the project.
 - b) steps in construction of the project.
 - c) materials list.

In Year 10, students will have to design and manufacture a practical project of their own choice. Before commencing this practical project, an assignment that includes (a) a sketch of the project (b) a materials list and (c) the steps in how the student intends to make the project, must be submitted for approval. Materials for this major project are to be purchased and supplied by the student.

Course requirements also include covered leather shoes that MUST be worn for practical work.

Contribution to cover the cost of materials – \$60.00

Mr Ross Kirkwood

Head Teacher TAS

Information and Software Technology

This is a project-based subject that covers the requirements of the new 9 - 10 NSW Information and Software Technology syllabus. Students will be encouraged to analyse, design, develop, test, document, implement and evaluate their work in solving problems and developing skills individually and in group situations. A broad range of student abilities and learning styles are catered for. No previous computing knowledge is required.

The subject includes core topics integrated into the 8 option topics: artificial intelligence, simulation, and modelling; authoring and multimedia; database design; digital media; the internet and website development; networking systems; robotics and automated systems; software development and programming.

Students are able to become competent users of a range of hardware devices when solving problems, and to understand the ethical implications involved, including the impact of technology on the individual, the workplace and society.

Contribution to cover the cost of materials – \$20.00

Mr Ross Kirkwood

Head Teacher TAS

iSTEM

iSTEM stands for "integrated Science, Technology, Engineering and Maths".

This course is designed for students who have an aptitude for Science, Maths and Technology-based study and want to develop their skills in tackling engineering or technology-based problems.

The students will combine ideas from Science, Technology and Maths to design, construct and test models to analyse their designs. Much of the course will involve cross-curricula project-based or inquiry-based learning.

The course modules will involve Engineering Fundamentals, CAD drawing, Aerodynamics, Motion and Mechatronics (robots).

Students in this class will also have the opportunity to participate in a number of competitions including the Robo-Cup and University of Wollongong STEM challenges.

Contribution to cover the cost of materials – \$40.00

Ms Heather Knight

Head Teacher Science

International Studies

International studies is an interdisciplinary course that provides a unique conceptual framework for the study of culture, and the promotion of intercultural understanding.

Through education, travel, work and trade, students increasingly understand how the study of culture requires knowledge to inform values and develop individual and community participation, action, and commitment to be a global citizen.

International studies provides students with an opportunity to explore and recognise their own cultures, and appreciate the richness of multicultural Australia and the world.

Students gain knowledge of different cultural practices, values, beliefs and heritages to form a broader worldview. They gain the skills to recognise fact, detect bias and challenge stereotypes by exploring cultural difference and interconnectedness. This enables them to understand and value inclusion, and to respect the rights of others.

Students learn to conceptualise and explore interrelationships and empathise with others at a local, national, regional and global level.

In summary, International Studies equips students with intercultural sensitivities and the critical skills of analysis and intercultural understanding to participate in, and contribute to building a cohesive and just world.

The Core Topics studied include:

- Understanding culture and diversity in today' s world

Elective topics that can be negotiated between teacher and student involve:

- Culture and Beliefs
- Culture and Gender
- Culture and the Media
- Culture on the move
- Culture and Travel
- Culture and the Performing Arts
- Culture in Art and Architecture
- Culture in Film and Literature
- Culture and Sport
- Culture and Family Life
- Culture and Food
- Culture, Science, Technology and Change

Mr Richard Leahy

Head Teacher Social Sciences

Music

The Music course provides students with the opportunity to pursue and develop their interest in skills in Music. Students will be actively involved in making music rather than merely studying it. Musical concepts, knowledge and skills will be developed as a response to the need which students meet as they work with music rather than as isolated topics.

The three strands of the course are:

1. Creative Expression
2. Performance
3. Listening

These all combine to enhance the students' awareness and understanding of music and thus develop each student's music making skills. Students will have access to a variety of instruments and **do not** have to possess an instrument or any specific musical skills to undertake the Music Elective course – just be interested and willing to learn.

Ms Katrina Joss

Head Teacher Creative and Performing Arts

Photographic & Digital Media

James Fallon High School is uniquely placed to offer the Photographic and Digital Media syllabus to Year 9 students. It is explored as a practice that uses photographic and digital technologies as tools for the creation of traditional and contemporary imagery in;

- camera to darkroom-based technology.
- digital photography to computer manipulation.
- digital video to computer editing.

This course provides students with the opportunity to investigate concepts such as the technological and creative development of photographic and digital works, the role of the photographer and digital image maker, the use of photographic, digital and video forms in society, and the intended audiences for these forms. Reality, illusion and simulation by photographic and digital media are explored and emergent and future technological developments are investigated.

The syllabus empowers students to engage in contemporary forms of communication and encourages the creative and confident use of technology and the emerging use of Information and Communication Technologies.

Contribution required to cover the cost of materials – \$25.00

Ms Katrina Joss

Head Teacher - Creative and Performing Arts

Physical Activity and Sports Studies (PASS)

Physical Activity and Sports Studies aims to enhance students’ capacity to participate effectively in physical activity and sport, leading to improved quality of life for themselves and others. It encompasses a broad view of physical activity and the many possible contexts in which individuals can build activity into their lifestyle, including recreational, leisure and adventure pursuits, competitive and non-competitive games, individual and group physical fitness activities, and the use of physical activity for therapy and remediation.

This course is a combination of theory and practical lessons and provides opportunities for personal challenge, enjoyment, and satisfaction. It also provides for positive interaction with others, in both collaborative and competitive contexts and supports the development of key social skills necessary for strong interpersonal relationships.

Physical Activity and Sports Studies involves the involvement in both theory and practical components, linked to the modules outlined below:

Foundations of Physical Activity	Physical Activity and Sport in Society	Enhancing Participation and Performance
Body Systems and energy for physical activity	Australia’ s Sporting Identity	Promoting active lifestyles
Physical Activity for Health	Lifestyle, leisure and recreation	Coaching
Fundamentals of movement skill development	Physical Activity and Sport for Specific Groups	Enhancing Performance - strategies and techniques
Participating with Safety	Opportunities and Pathways in Physical Activity and Sport	Technology, participation, and performance
Nutrition and physical activity	Issues in Physical Activity and Sport	Event management
Physical Fitness		

Recreation, physical activity, sport and related health fields provide legitimate career pathways. This course provides students with a broad understanding of the multifaceted nature of these fields. It also introduces students to valuable and marketable skills in organisation, enterprise, leadership and communication. Students with these skills will be positioned to make a strong contribution to their community as physical activity and sport provides a major context for both voluntary and paid work across Australia.

Note: although Physical Activity and Sports Studies does not attract a course fee, there will be opportunities that involve the use of community facilities that will incur a cost for bus travel and entry/equipment fee.

For more information, please access the following link:

<https://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/pdhp/physical-activity-sports-studies-7-10-2019>



Mrs Carissa Furze
Head Teacher - PDHPE

Visual Arts

Visual Arts seeks to encourage students to further develop skills developed in the earlier years and, if new to the subject, to develop skills in areas specific to their interests. If students have not done Visual Arts since Year Seven there is no reason that they cannot elect to do the course in Year Nine. Visual Arts in Stage 5 (Years 9 and 10) is centred on student-initiated learning. Students will be expected to take more responsibility for pursuing areas of skill development in the following areas.

There is an increased emphasis upon the practical nature of art study as it applies to historical and present-day modes of expression.

Students can elect to pursue one or more of the following practical options.

- Drawing
- Photography
- Animation
- Ceramics (all forms from hand building to wheel work)
- Painting (all forms from the traditional to airbrush methods)
- Sculpture (all forms from paper to metal)
- Graphics (all forms from printmaking to computer imaging)

Contribution to cover the cost of materials - \$20.00

Ms Katrina Joss

Head Teacher – Creative and Performing Arts

Work Education

Work education in Year 9 offers students the opportunity to explore the world of work and to develop skills that prepare them for entry into the workforce as responsible participants in their community.

They will learn the importance of lifelong learning and its role in planning future pathways.

Local community and work-based learning opportunities are promoted through the course, which will facilitate the movement of students from the school environment to the world of work. Students will have the opportunity to visit workplaces to see how they will operate, speak with employer groups and/or professionals, create a portfolio of their employment skills, participate in Work Experience, and apply theoretical knowledge to practical situations.

The course will allow students to develop their ICT skills to research information about careers, career pathways, and training requirements; they will develop word processing skills to evaluate, track, and map their employment skills; and they will also develop skills in the use of emails, multimedia, spreadsheets, and databases.

Some of the core topics studies are:

- What is Work?
- Workplace Safety
- Workplace Rights and Responsibilities

There are various optional topics that will be negotiated with students such as:

- Using Technology in the Workplace
- Learning about the Workplace
- Contemporary Workplace Issues
- Learning in the Workplace

Mr Richard Leahy

Head Teacher Social Sciences

Alternative Pattern of Study

Academy of Inquiry: Big Picture



Big Picture is an enquiry-based learning design, where student learning is focused on personalised projects and interests. Students learn in a small advisory class with a dedicated teacher. Learning is based on one student at a time in a community of learners.

The principles of Big Picture are as follows:

- Focusing on the learner and their interests
- Exploring how the curriculum might be personalised to engage young people
- Applying learning in the community, outside the school gates
- Teaching real world skills
- Assessing students in a range of ways

The students in Big Picture map their learning through a Learning Plan. This is developed in consultation with the student, teacher, family and mentors. A student's learning plan is developed around their interests and includes the development of key skills including:

- Knowing how to learn
- Quantitative reasoning
- Empirical reasoning
- Social reasoning
- Communication

In addition to personalised learning plans, students may engage in a range of other opportunities including:

- Shadow days
- Learning Through Internships (LTIs)
- Literacy activities
- Town Halls (all Big Picture students working together)
- Out learning experiences
- Volunteering

To succeed in Big Picture, students need to:

- Be passionate and motivated to learn
- Be capable of completing self-guided learning
- Be prepared to be challenged
- Be open to new methods of communication, including exhibiting their learning

Please note: This pattern of study can be accessed throughout stage 5 and 6 and will lead to the attainment of BPLC. Students will not be eligible for a RoSA issued through NESAs using this pathway.

Head Teacher

Senior Advisor