



Stage 5

SUBJECT INFORMATION HANDBOOK



Handbook Contents

Subject	Department	Head of Department	Page
Elective Information	Stage 5		5
Food, Fibre & The Future	Agriculture	Mrs Jody Haydon	7
Agriculture Technology	Agriculture	Mrs Jody Haydon	8
Commerce - 100	Social Sciences	Mr Winston West	10
Commerce - 200	Social Sciences	Mr Winston West	12
Computing Technology	TAS Design & Industry	Mr Simon Lun	13
D&T Food, Fibre & Manufacturing	TAS Food & Fibre	Ms Robyn Youll	15
Drama	Performing Arts	Mr Matt Byrne * (speak with Ms Alex Dunkley)	16
English Scholars	English	Mrs Kate Callaghan	18
Food Technology	TAS Food & Fibre	Ms Robyn Youll	20
French	Languages	Mrs Karen Downes	22
Global Studies	Social Sciences	Mr Winston West	23
Heroes, Villains & Game Changers	History & RE	Ms Dianne Chappel	24
History Elective	History & RE	Ms Dianne Chappel	25
Industrial Technology – Metal & Timber	TAS Design & Industry	Mr Simon Lun	26

Handbook Contents

Subject	Department	Head of Department	Page
Industrial Technology -Timber	TAS Design & Industry	Mr Simon Lun	28
Mathematics Scholars	Mathematics	Mr Ben Doyle	29
Music	Performing Arts	Mr Matt Byrne * (speak with Mrs Jo Lenton)	30
Philosophy & Ethics	History & RE	Ms Dianne Chappel	32
PASS	PDHPE	Ms Elly Reynolds	33
Science Scholars	Science	Mr Alex McLennan	34
Sports Health & Media	PDHPE	Ms Elly Reynolds	36
STEM	TAS Design & Industry	Mr Simon Lun	37
Textiles Technology	TAS Food & Fibre	Ms Robyn Youll	39
Visual Arts	Visual Arts	Mr Andrew Orme-Smith	40

Stage 5 Elective Information

Stage 5 Pattern of Study:

Students in Year 9 and Year 10 are required to study the mandatory subjects of:

- English
- Mathematics
- Science
- PDHPE
- Geography
- History
- Religious Education
- Compass

Elective Options:

Students select

- 2x 200 hour courses delivered over both Year 9 and Year 10
- 1x 100 hour course delivered in Year 9 only

How to Choose Your Electives:

As students go through the process of deciding on their Stage 5 Electives, we encourage them to consider trying to balance three important factors: interest, ability and opportunity

- Interest: Students should choose subjects they are interested in - this has been proven to drive engagement.
- Ability: Students should be honest about their abilities and challenge themselves to achieve to their very best.
- Opportunity: A subject is more than just content - what skills will it build and what future pathways will it open for you?
- Whilst every effort is made to ensure that students are able to undertake the study of their selected electives, KWS cannot guarantee that every elective will run or that every possible combination of electives can be timetabled.

Process:

- Elective choices will be online
- You will receive an email with the link and your unique WebCode to access
- Subject selection forms will be sent via email after the Subject Selection Evening at the end of Term 2 and close at the end of Week 2 in Term 3.
- Subjects are offered based on the order of priority you select them, not in order of the time you submit your form. Take your time, discuss your choices with parents, teachers and mentors and make your choices wisely.



Stage 5 - Agriculture

FOOD, FIBRE & THE FUTURE

**100
HOURS**

Course Overview:

The study of Agriculture in Stage 5 enables students to develop an appreciation and understanding of the diversity of Agriculture by studying a number of different and emerging enterprises, and innovation in Agriculture. Many students are able to utilise their life experiences and knowledge to ensure they are connecting with real world agriculture. The course builds students' knowledge and skills that will be useful for continuing with Stage 6 Agriculture or Primary Industries. It is exciting for students to have their first full opportunity to study Agriculture, having experienced a small unit within the Technology Mandatory syllabus during Stage 4.

Why Choose this course?

Agriculture is one of the most interesting subjects! Because of the importance of primary production across the globe, and the exceptional talent of Australian producers, we have the capacity to investigate innovative practices that improve sustainability of resources, technological advancements that have maximised outputs and minimised inputs creating higher efficiency, and explore new and emerging enterprises. Agriculture is never static, it is always evolving and we are a part of that movement by creating the next generation of agricultural innovators, scientists, producers, and many more.

What You Will Learn:

Food, Fibre and the Future focuses on regionally significant agricultural plants and animals. The course is designed to allow students to explore regional horticulture, food and fibre industries that make the Central West so diverse and important to Australian Agriculture. Students explore horticultural enterprises including orchards, vegetables, flowers and viticulture. Animal enterprises include dairy, poultry and wool.

Many students are able to utilise their life experiences and knowledge to ensure they are connecting with real world agriculture.

- Introduction to Regional Agriculture
- Plant Enterprises
- Animal Enterprises
- Production, Processing and Marketing
- The future of Agriculture – Ag tech and beyond

Skills You Will Develop:

An interest in agriculture, skills in investigation and experimental design and academic resilience and determination. This subject has a 50:50 theory to practical component, with the utilisation of the school farm and Ag plot meaning students can experience a variety of tasks as they work their way through the course.

Stage 5 - Agriculture

AGRICULTURE TECHNOLOGY

**200
HOURS**

Course Overview:

The study of Agriculture in Stage 5 enables students to develop an appreciation and understanding of the diversity of Agriculture by studying a number of different and emerging enterprises, and innovation in Agriculture. Many students are able to utilise their life experiences and knowledge to ensure they are connecting with real world agriculture. The course builds students' knowledge and skills that will be useful for continuing with Stage 6 Agriculture or Primary Industries. It is exciting for students to have their first full opportunity to study Agriculture, having experienced a small unit within the Technology Mandatory syllabus during Stage 4.

Why Choose this course?

Agriculture is one of the most interesting subjects. Because of the importance of primary production across the globe, and the exceptional talent of Australian producers, we have the capacity to investigate innovative practices that improve sustainability of resources, technological advancements that have maximised outputs and minimised inputs creating higher efficiency, and explore new and emerging enterprises. Agriculture is never static, it is always evolving and we are a part of that movement by creating the next generation of agricultural innovators, scientists, producers, and many more.

What You Will Learn:

- Horticulture (vegetables, fruit and flowers)
- Cattle Industry
- Poultry Industry
- Aquaculture
- Winter Cereal Crops
- Sheep Industry
- Pastures and Experimental Design
- Emerging Industries and Innovation

Skills You Will Develop:

An interest in agriculture, skills in investigation and experimental design and academic resilience and determination. This subject has a 50:50 theory to practical component, with the utilisation of the school farm and Ag plot meaning students can experience a variety of tasks as they work their way through the course.



Stage 5 - Social Sciences

COMMERCE

**100
HOURS**

Course Overview:

Commerce aims to enable young people to develop the knowledge, understanding and skills to research and develop solutions to consumer, financial, legal, business and employment issues to make informed and responsible decisions as individuals and as part of the community.

Commerce is a wonderful foundation for those students interested in Legal Studies, Economics and Business Studies in Years 11 and 12.

Why Choose this course?

By the end of this course, students demonstrate knowledge and understanding of consumer, financial, economic, business, legal, political and employment matters. They analyse the rights and responsibilities of individuals in a range of contexts, and the role of law in society. Students develop skills in decision-making and problem-solving, related to a range of issues, and apply skills to construct plans designed to achieve a range of goals. This provides a powerful context within which to develop general skills considered essential for further education, work and everyday life.

What You Will Learn:

Core Topics studied:

- Consumer and Financial Decisions
- Employment and Work Futures

Elective Topics studied:

- Investing
- Law in Action
- Towards Independence

Skills You Will Develop:

- An interest in business, the economy, the legal system and rights and responsibilities in a range of contexts
- A developing ability in written expression
- A developing ability to do independent research
- The ability to read widely
- Self-discipline, organisational skills and the ability to manage your time effectively

The writing required for this subject is very structured which helps students organise their written work. The syllabus plays an important part in the course and requires students to memorise key concepts. Students do not have to study Commerce to choose Business Studies, Legal Studies or Economics in Year 11 however, many students find it an advantage.



FRIDA
KHALO
CARAMEL



Stage 5 - Social Sciences

COMMERCE

**200
HOURS**

Course Overview:

Commerce aims to enable young people to develop the knowledge, understanding and skills to research and develop solutions to consumer, financial, legal, business and employment issues to make informed and responsible decisions as individuals and as part of the community.

Commerce is a wonderful foundation for those students interested in Legal Studies, Economics and Business Studies in Years 11 and 12.

Why Choose this course?

By the end of this course, students demonstrate knowledge and understanding of consumer, financial, economic, business, legal, political and employment matters. They analyse the rights and responsibilities of individuals in a range of contexts, and the role of law in society. Students develop skills in decision-making and problem-solving, related to a range of issues, and apply skills to construct plans designed to achieve a range of goals. This provides a powerful context within which to develop general skills considered essential for further education, work and everyday life.

What You Will Learn:

- Consumer and Financial Decisions
- Investing
- Running a Business and Promoting and Selling
- Law, Society and Political Involvement
- Business and Economic Environment
- Work and Employment Futures
- Law in Action
- Travel
- Towards Independence

Skills You Will Develop:

- An interest in business, the economy, the legal system and their rights and responsibilities in a range of contexts
- A developing ability in written expression
- A developing ability to do independent research
- The ability to read widely
- Self-discipline, organisational skills and the ability to manage your time effectively

The writing required for this subject is very structured which helps students organise their written work. The syllabus plays an important part in the course and requires students to memorise key concepts. Students do not have to study Commerce to choose Business Studies, Legal Studies or Economics in Year 11, however, many students find it an advantage.

Stage 5 - TAS Design & Industry

COMPUTING TECHNOLOGY

**200
HOURS**

Course Overview:

Computing Technology develops students' ability to use, understand, and create with modern computing technologies. It covers Enterprise Information Systems and Software Development.

Why Choose this course?

- Relevance to modern life: The syllabus focuses on contemporary technologies and the digital systems used across industries today.
- Highly practical: Students spend most of their time working on real projects—apps, games, automated systems, data visualisations
- Builds future-ready skills: Learners gain knowledge valued in the digital economy, including coding, UX design, data analysis, and systems thinking.
- Encourages creativity and innovation: Projects require students to design, test, and evaluate their own digital solutions.
- Strong foundation for senior pathways: Acts as an excellent lead-in to Stage 6 courses such as Software Engineering and Enterprise Computing.

What You Will Learn:

- Analysing data
- Building mechatronic and automated systems
- Designing for user experience
- Creating games and simulations
- Developing apps and web software
- Students engage in hands-on project work, using design thinking, systems thinking, and computational thinking to produce practical digital solutions. The course emphasises creativity, problem-solving, and responsible digital practices.

Skills You Will Develop:

- Technical skills & communication of technical ideas
- Coding and algorithmic thinking (apps, games, automated systems)
- Data modelling, representation, and visualisation
- Interface and user experience design
- Understanding digital systems and networks
- Computational thinking (breaking down problems, designing algorithms)
- Design thinking (iterating, testing, improving solutions)
- Systems thinking (analysing how components of technologies interact)
- Evaluating solutions and providing feedback
- Safe, responsible, and ethical use of technology



Stage 5 - TAS Food & Fibre

DESIGN & TECHNOLOGY - FOOD, FIBRE & MANUFACTURING **100 HOURS**

Course Overview:

Do you love practical lessons and being creative? Are you interested in Technology subjects including Food Technologies, Digital Technologies and Material Technologies?

This 100 Hour Year 9 elective will see students undertake a range of practical experiences and project work following the Design Process.

Why Choose this course?

Design and Technology offers a practical and creative learning experience that equips individuals with valuable skills applicable to a range of careers. It fosters problem-solving, innovation, and critical thinking through hands-on activities and design processes, making it a relevant and engaging subject in today's technologically driven world. Students will be able to work in a range of technology areas and experience the breadth of resources and specialty technology subjects.

What You Will Learn:

- Core 1: A Holistic Approach to Design and Technology - Provides a framework for understanding the concepts of design, and for design decisions and reflection. An awareness of the interdisciplinary nature of design provides students with opportunities to consider a broader perspective of the interrelationship of design with other areas of study.
- Core 2: The Design Process - This area of core content provides a framework for the application of an appropriate design process, to produce quality designed solutions.

These units will be explored through projects that include but are not limited to: Food Technology, Digital Communication Technologies and Materials Technology including: Textiles, Timber, Metal, Jewellery and mixed media.

Skills You Will Develop:

Stage 5 Design and Technology is ideal for students who enjoy creative and practical problem-solving, and who are interested in designing and producing solutions to real-world needs.

Students in this course develop the ability to think both critically and creatively, approach design challenges in a structured and methodical way, and refine their ideas through ongoing evaluation and feedback.

The course supports the development of literacy and numeracy skills through analysing design briefs, documenting processes, and clearly communicating design decisions. Students will also strengthen their organisation, collaboration, and teamwork skills, while learning to work safely and responsibly in practical environments.

A willingness to learn new skills is important, as students will work with a variety of materials, tools, and digital technologies throughout the course. No prior technical experience is required, as all skills are explicitly taught.

Stage 5 - Performing Arts

DRAMA

**200
HOURS**

Course Overview:

Drama is more than just performing – it is a powerful way to build essential life skills. Through engaging, hands-on workshops, students explore improvisation, acting, group performance, and scripted drama. These practical experiences develop critical thinking, clear communication, creative problem-solving, and effective collaboration.

Students are actively involved in creating, directing, and performing both solo and small group pieces. Lessons are dynamic, supportive, and designed to encourage students to take creative risks, explore ideas, and build trust within a team as they bring performances to life.

To deepen their understanding, students reflect on their experiences through writing and the study of plays. This helps them connect with key dramatic concepts while growing as both performers and thinkers.

Drama also enhances students' understanding of the world through both verbal and non-verbal communication. Students learn to listen, interpret, discuss, and analyse ideas, strengthening their ability to express themselves confidently and engage thoughtfully with others.

Why Choose this course?

Drama is a dynamic and rewarding subject that supports both personal growth and academic success. Through practical, collaborative experiences, students develop essential skills such as listening, negotiation, and communication – skills that are valuable across all areas of life. They also build resilience and adaptability by learning how to give and respond to constructive feedback. Improvisation and “thinking on their feet” are central to the course, helping students become confident, creative problem-solvers. Students deepen their understanding of character, narrative, and language through active exploration and performance.

What You Will Learn:

- Improvisation and Scene building
- Scripted Drama & On-Screen Drama: Film
- Commedia Dell'arte
- Group Devised Performances
- Melodrama
- Greek Theatre
- Realism
- Clowning, Mime & Physical Theatre

Skills You Will Develop:

Research shows that students who study Drama are often more confident, empathetic, and effective communicators. Drama fosters emotional intelligence, collaboration, and creative thinking – key capabilities for success in both academic pathways and the wider world.



Stage 5 - Social Sciences

ENGLISH SCHOLARS

**100
HOURS**

Course Overview:

English Scholars has been designed to engage, extend and inspire those students who are passionate about English. It will suit students who enjoy reading, writing and literary criticism and is specifically aimed at students who are currently performing at a high standard in English. English Scholars will introduce students to Literary Classics, past and present, as well as nurture the skills of critical analysis and creative writing. The appreciation of Context and Critical Perspectives as well as the Romantic and Modernist periods of Literature will be invaluable preparation for the HSC Advanced, Extension and Extension 2 English Courses. The composition and crafting of a Literary Major Work in the second semester will offer students a taste of English Extension 2 at HSC.

Why Choose this course?

English Scholars will introduce students to Literary Classics, past and present, as well as nurture the skills of critical analysis and creative writing. The appreciation of Context and Critical Perspectives will be invaluable preparation for the HSC Advanced and Extension English Courses. The composition and crafting of a Literary Major Work will offer students a taste of English Extension 2 at HSC.

What You Will Learn:

Term 1 - Man versus the Machine - An introduction to Romanticism and its rejection by Modernism through the study of Literature from the late 1800s and into the early 1900s, including WW1 poetry.

This Unit will introduce students to the Literature of both the Romantic and Modernist periods, the difference between the two, and the context that necessitated this radical literary shift. Students will also have the opportunity to consider critical perspectives of some of the most iconic examples of Romanticism and Modernism, studying the likes of Wordsworth and Coleridge, Owen and Sassoon.

Term 2 - From Zeus to Apocalypse - An introduction to iconic tales from Greek and Classical Mythology and an exploration of significant Biblical figures and their stories.

This Unit will introduce students to the archetypal stories from Greek/Roman Mythology with a view to introducing the idea of intertextuality and Classical allusion, as well as the most popular stories from the Bible as an extension of studying the idea of intertextuality and Biblical allusion.

Stage 5 - Social Sciences

ENGLISH SCHOLARS

**100
HOURS**

(The best writers have extensive knowledge about such stories and enrich their own through intertextual referencing/allusion and appropriation of such source texts!) A close study of the various representations of such literature (language/form/structure) and the social and historical context of the stories will nurture the skills of critical analysis and lay the foundations for creative writing. In consultation with their teacher, students will choose a more contemporary text novel/story/poem which has drawn on one of the Greek Myths or research canonical and contemporary texts that exploit Biblical allusion. In light of their learning of significant appropriations of Classical Mythology or Bible stories, students will be encouraged to use this knowledge as part of their research for their Major Work Project due in Semester 2. The ongoing appreciation of Context and Critical Perspectives will be invaluable preparation for the HSC Extension English Course.

Terms 3 and 4 - Research, Composition and Crafting, and Reflection (Major Work) - Students will embark on a Research Project that will be used to inform the composition of a Literary Major Work. Students choose to compose a text which is inspired or influenced by their study of Romantic and/or Modernist Literature OR the Classical and/or Biblical stories. Their piece must demonstrate an understanding of Romanticism and/or Modernism OR Biblical and/or Classical allusion. It may be original or an example of literary appropriation. Students will be able to choose a creative Text Type from:

- Short story
- Collection of prose vignettes
- Narrative or Epic Poem
- Suite of shorter poems
- Creative Non-Fiction (discursive or article)
- Speech (must be submitted as a video of their performance of the speech as well as the transcript)
- The teacher will mentor and facilitate and advise students one to one as they embark on the process of:
 - Investigating and researching
 - Drafting
 - Reflecting
 - Editing and formatting

Skills You Will Develop:

- The ability to engage with complex texts that have a variety of complicated themes and ideas.
- The ability to identify a wide variety of literary techniques and discuss them in detail.
- The ability to communicate complex ideas in a concise and accessible manner.

Stage 5 - TAS Food & Fibre

FOOD TECHNOLOGY

**200
HOURS**

Course Overview:

Food Technology is about food, teamwork and fun. Students will develop a broad knowledge and understanding of food properties, processing, preparation, nutritional considerations, and consumption patterns as well as the importance of hygiene and safety in the production of food. In Food Technology students are actively engaged in learning about food in a variety of settings, cooking, developing menus, sampling food and excursions are all important parts of Food Technology. Students will develop confidence and proficiency in food preparation, gaining lifelong skills.

Why Choose this course?

Food Technology is a lot of fun! You will learn valuable skills in the kitchen as well as learning all about culinary history and dietary needs in society. Food Technology is based in practical and hands on experiences. Theory content, which explores nutrition and health, food trends, product development and more, is backed up with learning how to use kitchen equipment and cook a range of recipes and dishes.

What You Will Learn:

- Food Selection and Health
- Nutrition and consumption
- Food for Specific Needs
- Food in Australia
- Food for special occasions
- Food preparation and processing
- Food Trends
- Food Product Development
- Food Service and Catering

Skills You Will Develop:

This course suits practical learners who enjoy working independently and in teams. Students develop skills in food preparation, organisation, and presentation, while learning safe and hygienic kitchen practices. A willingness to challenge yourself and refine your skills is key—no prior experience required.



Stage 5 - Languages

FRENCH

**200
HOURS**

Course Overview:

Academically, learning a language like French enhances cognitive skills such as memory, problem-solving, and critical thinking. It also supports success in other subjects, including English and Humanities, by improving literacy and analytical abilities. French is spoken on five continents and is one of the official languages of many international organisations, making it a valuable tool for global engagement. As a lifelong skill, French opens doors to travel, cultural appreciation, and diverse career opportunities in fields like diplomacy, international business, tourism, and education. To continue with French into Years 11 and 12, it is a requirement to do the 200 hour course. Continuing French provides a competitive edge for university applications and future employment.

Why Choose this course?

- French food appreciation: Raclette tasting, French cheeses, French bread etc
- French Film appreciation & introduction to French literature
- Inclusion of French Exchange students in classes to work with speaking skills of Kinross students studying French.
- Alliance Française de Sydney workshops with native speaker teachers to enhance cultural knowledge, pronunciation and vocabulary acquisition

What You Will Learn:

- Vacances (Holidays) & Camping & Paris
- La santé (Health)
- Le tourisme et les voyages (travel & tourism)
- Parler du passé (Talking about the past) & L'environnement (Environment)
- L'école et l'avenir (school and future)

Skills You Will Develop:

This course is suited to students who have enjoyed French in Years 7 and 8 and have an interest in other cultures. Students develop communication skills through regular practice in speaking, listening, reading, and writing. A commitment to learning vocabulary, understanding grammar, and practising consistently is essential.

Stage 5 - Social Sciences

GLOBAL STUDIES

**100
HOURS**

Course Overview:

The Global Studies course will encompass three topics from the Elective Geography course and two topics from the Commerce course which will highlight the important interrelationships between people, business, governance and environments. Through the investigation of these topics, students have the opportunity to apply problem-solving strategies, develop financial literacy, which incorporate the skills of analysis and evaluation. In Global Studies, students develop critical thinking, reflective experiential learning and the opportunity to participate in the community. Through their study, students are encouraged to question why the world is the way it is, reflect on their relationships with and responsibilities for the world and propose actions designed to shape a socially just and sustainable future.

Why Choose this course?

Global Studies offers students an excellent opportunity to research, discuss and debate issues that they are passionate about and explore a range of presentation techniques for sharing their findings. It also incorporates a range of integrated geographic skills to build upon knowledge gained in previous years. Students can further their geographical and commercial understanding through investigation of the concepts of place, space, environment, interconnection, scale, sustainability, and change. They engage with the geographical tools of maps, fieldwork, graphs and statistics, spatial technologies, and visual representations, to acquire, process and communicate geographical information.

What You Will Learn:

Students undertake inquiry to extend knowledge and understanding, and make inferences about people, places and environments through the collection, analysis and evaluation of primary data and secondary information. They analyse significant patterns, trends, relationships, and anomalies in geographical and commercial phenomena. Students propose solutions, and may take action to address contemporary global challenges, considering alternative points of view and predicted outcomes. Students participate in relevant fieldwork to collect primary data and enhance their personal capabilities, ethical understanding and workplace skills.

Skills You Will Develop:

- An interest in global issues
- A developing ability in written expression
- A developing ability to do independent research
- The ability to read widely
- Self-discipline, organisational skills and be able to manage their time effectively

Stage 5 - History & PE

HEROES, VILLAINS & GAME CHANGERS **100 HOURS**

Course Overview:

Ever wondered how revolutions ignite, empires rise and fall, or how ordinary people spark extraordinary change? Heroes, Villains & Game Changers is your passport to explore the triumphs, tragedies, and turning points that shaped our world. Dive into gripping stories, analyse real-world events, and uncover the forces behind today's headlines. Whether you're passionate about ancient civilizations, the not-so-Dark Ages or social movements, this course will sharpen your critical thinking, ignite your curiosity, and empower you to see the world through a new lens.

History isn't just about the past—it's about understanding the present and influencing the future.

Ready to make your mark?

Modules covered: the areas studied in Stage 5 History Elective come from the overarching topics:

- History, heritage and archaeology
- Ancient, Medieval, Modern societies
- Thematic studies

Why Choose this course?

Heroes, Villains & Game Changers offers students the opportunity to investigate human actions and achievements across a range of historical contexts. It encourages an understanding that the past is shaped by multiple perspectives and that history is rarely defined by a single, uncontested narrative.

Students have the opportunity to participate in excursions relevant to the topics of study. These include museum visits to Sydney and Canberra, guest speakers such as New York and International best-selling and Orange local Historical Fiction author Kelly Rimmer and bi-annual overseas tour to Vietnam.

What You Will Learn:

Term 1: Turning Points in History: Uprisings

Term 2: Constructing History: Young Wikipedians

Term 3: Heroes, Villains & Game Changers

Term 4: Rewriting History

Skills You Will Develop:

- The course builds on the historical skills that students have been building in Stage 4.
- The study of History Elective will develop the students' analytical, communication, investigative and literacy skills.

Stage 5 - History & PE

HISTORY ELECTIVE

**200
HOURS**

Course Overview:

Ever wondered how revolutions ignite, empires rise and fall, or how ordinary people spark extraordinary change? The History Elective is your passport to explore the triumphs, tragedies, and turning points that shaped our world. Dive into gripping stories, analyse real-world events, and uncover the forces behind today's headlines. Whether you're passionate about ancient civilizations, the not-so-Dark Ages or social movements, this course will sharpen your critical thinking, ignite your curiosity, and empower you to see the world through a new lens.

History isn't just about the past - it's about understanding the present and influencing the future.

Why Choose this course?

History Elective provides opportunities for students to explore human actions and achievements in a range of historical contexts. It introduces the ideas that the past contains many stories and that there is never only one uncontested version.

Students have the opportunity to participate in excursions relevant to the topics of study. These include museum visits to Sydney and Canberra, guest speakers such as New York and International best-selling and Orange local Historical Fiction author Kelly Rimmer and bi-annual overseas tour to Vietnam.

What You Will Learn:

Unit 1 Topic 1: Constructing History: Site Studies –Machu Picchu

Unit 2 Topic 2: Ancient, Medieval and Modern Societies: Knights, Castles, and more

Unit 3: Topic 1: Constructing History: Museum Studies

Unit 4 Topic 3: Thematic Studies: Film as History

Unit 5 Topic 3: Thematic Studies: Popular Culture

Unit 6 Topic 2: Ancient, Medieval and Modern Societies: Akhenaten

Unit 7 Topic 1: Constructing History: Historical Investigation (student choice)

Unit 8 Topic 3: Thematic Studies: Women who made History

Skills You Will Develop:

- The course builds on the historical skills that students have been building in Stage 4.
- The study of History Elective will develop the students' analytical, communication, investigative and literacy skills.

INDUSTRIAL TECHNOLOGY - METAL & TIMBER

**200
HOURS**

Course Overview:

The aim of Industrial Technology is to develop students' knowledge, understanding, skills and values related to a range of technologies through the safe interaction with materials, tools and processes in the planning, development and construction of quality practical projects.

Why Choose this course?

Industrial Technology is a project-based subject where students will learn and refine skills in Timber and Metal construction. Students will have the opportunity to develop project designs and engage with self-managed tasks. Students will learn about Industry and Advanced Manufacturing techniques. Students who enjoy hands-on experiences and projects can thrive in this subject.

What You Will Learn:

At KWS, Industrial Technology will cover the focus areas of Timber in Year 9 and Metal in Year 10. IT focuses on learning through the hands-on construction of projects.

- Furniture items
- Decorative timber products
- Storage and transportation products
- Storage and display units
- Sheet metal products
- Metal machining projects
- Fabricated projects

Skills You Will Develop:

Students will gain skills in project management through the design and development of a number of practical projects. Throughout the course, students will develop skills in budgeting and resource efficiency, computer-based technologies and well as workplace safety and communications. The skills learnt should help them into careers such as: construction, cabinet making, carpentry, welding fabrication, fitting and toolmaking and engineering.



Stage 5 - TAS Design & Industry

INDUSTRIAL TECHNOLOGY - TIMBER

**100
HOURS**

Course Overview:

The aim of Industrial Technology in Stage 5 is to develop students' knowledge, understanding, skills and values related to a range of technologies through the safe interaction with materials, tools and processes in the planning, development and construction of quality practical projects.

The subjects are based on learning through the hands-on construction of projects. Students will develop their skills in designing, planning and construction processes.

Why Choose this course?

Industrial Technology is a project-based subject where students will learn and refine skills in Timber construction. Students will have the opportunity to develop project designs and engage with self-managed tasks. Students will learn about Industry and Advanced Manufacturing techniques. Students who enjoy hands-on experiences and projects can thrive in this subject. Students will gain skills in project management through the design and development of a number of practical projects.

What You Will Learn:

- Furniture items
- Decorative timber products
- Storage and transportation products
- Storage and display units

Skills You Will Develop:

Students will develop practical skills through the planning, creation, and evaluation of projects. Success in this subject is supported by students who are organised, demonstrate self-discipline, and can recognise and apply quality in their work. The course also values creativity in design and an understanding of how technologies interact within society.

Students are expected to be well prepared for practical lessons and to work safely, adhering to all WH&S requirements.

Stage 5 - Mathematics

MATHEMATICS SCHOLARS

**100
HOURS**

Course Overview:

Mathematics Scholars is a 100-hour Stage 5 elective designed for students passionate about Mathematics. It offers an engaging enrichment program focused on practical applications, skills development, and enjoyment. The course broadens students' appreciation of Mathematics by exploring concepts beyond the core syllabus while strengthening algebraic, geometric, and critical thinking skills needed for Stage 6 Advanced and Extension courses. Students learn through guided discovery, project-based learning, and collaborative activities, with opportunities to participate in external competitions and extension experiences.

Why Choose this course?

Students may elect to take this subject because they enjoy the study of Mathematics and have a curiosity to explore the subject area in greater depth. The structure of the course has also been designed to promote the development of mathematical problem-solving skills and critical thinking. Participation in this course will assist students to enhance their ability to Work Mathematically in Stage 6. Students are also provided with an opportunity to explore concepts covered in the compulsory course in greater depth to enhance understanding.

What You Will Learn:

- Performing Magic using Mathematics
- The Mathematics of Chance and Gambling
- History of Mathematics and Famous Mathematicians
- Surveying and Geometry of the Earth
- Fractals
- Matrices
- Networks
- Personal Finance

As part of the course students also take part in a number of Australian Mathematics Trust competitions.

Skills You Will Develop:

In this elective, students will develop advanced problem-solving and analytical thinking skills, along with the ability to communicate mathematical ideas clearly and logically. The course strengthens perseverance, independent learning, and precision in reasoning, while building confidence in tackling complex and unfamiliar problems. Students will also enhance their capacity for abstract thinking and apply mathematical concepts to a range of real-world and theoretical contexts.

The elective is open to all students, however, it is assumed that students choosing this elective will have a genuine interest in Mathematics and have achieved strong results in the Stage 4 course.

Stage 5 - Performing Arts

MUSIC

**200
HOURS**

Course Overview:

Stage 5 Music provides students with the opportunity to learn about performing, composing and listening to music. This is an elective subject in which students are exposed to a wide range of music and a diverse range of performance activities. All students have the opportunity to develop their musical abilities and potential.

Why Choose this course?

Music serves as a creative outlet, allowing students to express their emotions, regulate stress and develop resilience. Music training enhances cognitive abilities such as attention, memory and problem-solving skills. Playing a musical instrument fosters a sense of belonging, promotes teamwork and cultivates social bonds within musical ensembles. Studying music can give a great mix of social, technical and business skills. Music helps build your problem solving, research, planning, analytical and critical thinking skills, as well as developing creativity.

Studying music also helps develop discipline, composure under pressure, time management, communication, team and individual working ability - all gained from practice and performing. You will also learn technical skills through using equipment and software to create and record music.

What You Will Learn:

- Theatre Music
- The Classical Period
- Film Music
- Rock Music Post 1980
- Australian Music (mandatory topic)
- Music for Small Ensembles

Skills You Will Develop:

- Students should be currently undertaking instrumental or vocal tuition for their chosen instrument.
- Students will develop skills in performing, composing and listening throughout the course and will learn or enhance their music theory skills.



Stage 5 - History & PE

PHILOSOPHY & ETHICS

**100
HOURS**

Course Overview:

This elective introduces students to ethical frameworks and philosophical reasoning. It emphasises logical thinking, ethical decision-making, and the application of philosophical theories to real-world issues.

Students will engage in collaborative discussions using the Community of Inquiry model and develop skills in critical, creative, and reflective thinking.

Why Choose this course?

- Encourages deep thinking and self-reflection.
- Develops logical reasoning and problem-solving skills.
- Enhances the ability to evaluate and construct arguments.
- Builds confidence in ethical decision-making.
- Prepares students for higher-order thinking across disciplines.

What You Will Learn:

- Foundations of Reasoning - argument structure, logical reasoning and common fallacies
- Popular ethical theories - Utilitarianism, Deontology, Virtue Ethics, Social Contract Theory
- Application of ethical theories to real-world problems - e.g. Artificial Intelligence, Animal Rights, Gender and Identity Ethics

Skills You Will Develop:

- Communication skills – articulating ideas clearly in discussion, listening actively, and collaboratively developing reasoned responses to problems.
- Written communication – constructing clear, logical and persuasive arguments, evaluating the reasoning of others, and producing structured, analytical written responses.
- Critical thinking – analysing and evaluating arguments using logical frameworks, understanding and applying ethical theories, and distinguishing between competing ideas and perspectives.
- Creative thinking – applying ethical frameworks to real-world situations, generating reasoned solutions, identifying connections between ideas, and engaging with abstract concepts.

PASS

**200
HOURS**

Course Overview:

Physical Activity and Sports Studies (PASS) enables students to develop a foundation for efficient participation and performance in physical activity and sport. It also helps develop knowledge and understanding about the contribution of physical activity and sport to individual, community and societal wellbeing.

Studying PASS will assist young people to develop a commitment to lifelong participation in physical activity and sport. They will develop an appreciation of the enjoyment and challenge of participation in physical activity and sport, and recognise the value contributions of physical activity and sport have to wellbeing and society.

Why Choose this course?

PASS is an excellent elective for any students who are contemplating studying Health & Movement Science in Year 11 and 12. It is also a fantastic elective for students interested in areas such as the field of medicine, sport and recreation, physiology, health and fitness, technology, nutrition and dietetics, sports science, and coaching.

What You Will Learn:

Year 9

- Body Systems and Energy for Physical Activity
- Movement Skills in Action
- Australia's Sporting Identity
- Opportunities and Pathways

Year 10

- Fueling and Improving Performance
- Technology, Participation and Performance
- Coaching
- The Draft
- Bronze Medallion

Skills You Will Develop:

Students should have a passion for physical activity. They will need to analyse, evaluate and provide feedback on various forms of physical activity or issues related to sport. Students should also be willing to collaborate with others, display management and planning skills, appraise information or opinions, and enhance their performance in physical activity and sport.

SCIENCE SCHOLARS

**100
HOURS**

Course Overview:

Have you ever wondered what it takes to be a real scientist? Have you ever wanted to be involved in real-world research or work on your own research project? Do you enjoy the practical nature of scientific investigations? If so, then this course is for you.

The Science Scholars course is designed to engage, extend and enhance your learning in Science. It is aimed at students who have an interest in the hands-on skills of science and a desire to learn more about the world around them. You will spend your time on research projects, improving your scientific skills whilst solving or addressing problems that impact the world around you. The course will involve setting up experiments and other research projects and then learning how to communicate your discoveries.

Why Choose this course?

Science scholars promotes active inquiry. It provides the opportunity to problem solve and develop the skills to make informed scientific decisions. You will learn to conduct experiments and research both as part of a team and on your own. With a focus on practical skills and experiments, this course will help all those with an interest in science develop their interests further. You will develop capability and capacity in critical thinking, problem-solving and communication skills.

What You Will Learn:

- Experiments in Biology, Chemistry, Physics, Earth Science and Behavioural Psychology. You will learn how to design and run an effective experiment and how to understand and communicate the results. You will learn the importance of observations in initiating the scientific process and examine how we make inferences and generalisations from these observations. You will learn about the importance of scientific models and the differences between scientific laws and theories.
- Research ideas as you design a study, conduct the relevant experiments, analyse the results and then communicate your findings to the general public. Your final project will be published in our KWS science journal!

Skills You Will Develop:

Students who study Science Scholars will develop their critical thinking and problem solving skills. They will be required to apply the scientific model to developing theories and testing those theories about how the world around them works. Students will need to show and develop their collaboration skills by working in teams. These will help students prepare for all aspects of stage 6 science as well as developing their independent skills that they will need for university study.



SPORTS HEALTH & MEDIA

**100
HOURS**

Course Overview:

Sports Health & Media Fundamentals is a dynamic and inclusive course that empowers students to take responsibility for their learning through practical, real-world experiences. A key feature of the course is the Sports Education in Physical Education Program (SEPEP) – a student-centred approach where teachers take a step back, allowing students to actively manage and participate in a simulated sporting season.

Why Choose this course?

Students take on various roles such as coach, referee, manager, scorer and media coordinator, developing leadership, teamwork and organisational skills. This program provides opportunities for students of all ability levels to engage meaningfully in physical activity while learning vital skills including collaboration, problem solving, communication and decision making. SEPEP reflects the real-world operation of sport, promoting personal accountability and ownership of the learning experience.

What You Will Learn:

- Referee/Officials Level 1 course
- Sports Journalism - The course features a sports journalism module, where students gain practical skills in writing, reporting and sports media production. They explore topics such as media ethics, the business of sport and the growing influence of online and broadcast media. This module prepares students to critically analyse the portrayal of sport and health in the media and understand its the broader social impact.
- Sports Medicine/First Aid - Additionally, students will engage in a first aid module, where they learn to assess, manage and respond to a range of injuries and medical conditions. Through investigation and hands-on practice, students develop essential first aid skills and consider the ethical responsibilities involved in providing emergency care.

Skills You Will Develop:

In Sports, Health & Media Fundamentals, students will develop the ability to analyse, evaluate, and provide informed feedback on physical activity and contemporary issues in sport. The course strengthens collaboration skills, alongside the ability to plan, organise, and manage activities effectively. Students will also build confidence in appraising information and perspectives, while enhancing their own performance and understanding of physical activity and sport.

Stage 5 - TAS Design & Industry

STEM

**100
HOURS**

Course Overview:

STEM encourages and develops innovation using creativity, research, collaboration, and inquiry-based learning. It develops a range of important thinking skills including critical thinking and computational thinking. STEM training also develops your problem-solving, data analysis, critical thinking, and communication skills, which are valuable in many careers.

Students who enjoy learning by doing and are driven to engage in practical hands-on experiences and projects can thrive in this subject.

Why Choose this course?

STEM encourages and develops innovation using creativity, research, collaboration, and inquiry-based learning. It develops a range of important thinking skills including critical thinking and computational thinking. STEM training also develops your problem-solving skills. These are the top skills employers seek in a candidate. Students who enjoy learning by doing and are driven to engage in practical hands-on experiences and projects can thrive in this subject.

What You Will Learn:

- The Engineering Design Cycle
- Bridge Building
- CAD and Laser Cutting
- 3D Drawing and Printing
- Technical Drawing
- Physical Computing
- Flight
- Project Management
- Structures
- Solar Energy
- Prosthetics
- Major Project

Skills You Will Develop:

Students will develop skills in planning, self-discipline, and relating skills previously learnt to other tasks, effective time management and problem-solving.



TEXTILES TECHNOLOGY

**200
HOURS**

Course Overview:

The aim of Textiles Technology is to provide students with the confidence to design, produce and evaluate a wide range of textile items. Students will learn about the important role textiles plays in our society and the properties and performance of textiles.

Students who enjoy: hands-on practical learning, experimenting and challenging themselves, being creative, learning more about textiles and all its applications, will enjoy Textiles Technology.

Why Choose this course?

Textiles and Design is a versatile subject. Students will be able to engage creatively in a textile area of their interest and will gain experience and insight into industries with an emphasis on design, management and production through practical applications. Students who are driven to engage in practical, hands-on experiences and projects can thrive in this subject.

What You Will Learn:

- There are 3 areas of study: Design, Properties and Performance of Textiles, Textiles and Society

The Areas of Study are explored through project work in Focus areas including:

- Apparel - including clothing and accessories
- Furnishings - includes cushions, chairs covering, lampshades
- Costume - includes head dress, theatre costumes, masks
- Textile Arts - includes wall hangings, fabric-based artworks
- Non-apparel - pencil cases, toys and bags

Skills You Will Develop:

In Textiles Technology, students will develop strong project management skills through the design and production of a range of practical projects. The course builds the ability to plan effectively, manage time, and work with independence and self-discipline.

Students will also develop skills in graphic design, illustration, and a variety of textile techniques, alongside the use of computer-based technologies. An understanding of workplace safety and effective communication is embedded throughout the course. These skills and attributes are highly transferable and applicable across a wide range of industries.

Stage 5 - Visual Arts

VISUAL ARTS

**200
HOURS**

Course Overview:

Visual Arts is a fun and varied course that balances lots of practical work with some theory. The practical work encourages creativity while learning new techniques in artmaking through a number of forms such as drawing, ceramics, painting, photography and sculpture. The work will develop skills in creativity, project management, artmaking techniques and design principles. Theory develops critical and creative thinking through an understanding of how to create and interpret art using clever structures called The Frames, Conceptual Framework and Practice. These will establish a lifelong love of art that will contribute to your development as a well-rounded and interesting individual!

Why Choose this course?

Visual Arts uses the creative part of our brain. That means Visual Arts will increase your skills in the workplace, where creative and innovating thinking are essential. Visual arts will encourage you to think about the world, it's also a great way to build cultural knowledge.

In Visual Arts you get to experience and experiment with a range of materials and equipment, developing your technical expertise to better express your creative ideas.

What You Will Learn:

- The crazy world of Surrealism where dreams and nightmares inspire drawing and painting
- Insects and their extraordinary diversity forms the basis for sculptures
- Collagraph printmaking is a fun and unusual way of creating beautiful works.
- Lino printing is a different approach that has striking results and supports this introduction to architecture
- Portraits really push skills to the next level in both photography and drawing.
- Ceramics explores the possibilities of clay with a range of decorative techniques.

In artmaking students begin a Visual Arts Diary in which they explore their ideas and interests, formulate ideas for artworks and record relevant technical information. Students make artworks that build skills in particular media, developed over time and using an extended range of materials and techniques. Artmaking may be in any of the forms: drawing, painting, watercolour, printmaking, photography and digital media, ceramics and sculpture.

Skills You Will Develop:

In this course, students will develop creativity and confidence through exploring a range of artistic techniques and ideas. They will build skills in planning and refining their work, while developing self-discipline, time management, and the ability to apply prior learning to new contexts. The course also fosters a willingness to experiment, take creative risks, and approach art with enthusiasm and curiosity.



Interest - Ability - Opportunity

As students go through the process of deciding on their Stage 5 electives and the subjects they plan to study, we encourage them to consider trying to balance three important factors: interest, ability and opportunity

- Interest: Students should choose subjects they are interested in - this has been proven to drive engagement.
- Ability: Students should be honest about their abilities and challenge themselves to achieve to their very best.
- Opportunity: A subject is more than just content - what skills will it build and what future pathways will it open for you?





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