Heathcote High School Course and Subject Information

For students in Year 9 2019

Heathcote High School

Excellence, opportunity and success for all our students

Contents

Curriculum Selection

Course and subject information for Year 9 students 2019

Core subjects

Compulsory

English	6 periods per week
Mathematics	5 periods per week
Science	5 periods per week
Geography	5 periods per week
Personal Development/Health/Physical Education	3 periods per week

Elective subjects

Every student will study three subjects ("X" Elective, "Y" Elective and "Z" Elective) chosen from the following list: -

- Child Studies
- Commerce
- Dance
- Drama
- Food Technology
- Forensic Archaeology
- French
- Graphics Technology
- Indonesian
- Marine Science (Marine & Aquaculture Technology)
- Music
- Photographic & Digital Media
- Physical Activity & Sports Studies
- STEM
- Textiles Technology
- Visual Arts
- Industrial Technology: Includes three strands

  ***** Please note: only 2 Industrial Technology subjects may be studied by a student.

  - Art Metal - Metalwork - Timber

Each Elective will be studied for 4 periods per week.

Expression of interest for three elective subjects

Students have received instructions and their unique Webcode to login and enter their expression of interest regarding their three elective choices by Sunday 29th July. This booklet contains information about the Stage 5 Curriculum at Heathcote High. Brief notes on each of the available subjects are given to help make your decision. If you have any questions or wish to discuss any problems in regard to your subjects contact your Year Adviser and/or the subject Head Teacher for assistance. You can choose from a diverse range of courses to meet your individual needs.

Key Considerations for choice:

- **Interests** - Choose subjects which genuinely interest you. Remember that you will be doing the subject for two years
- **Abilities** - Choose subjects in which you are capable of doing well. There is no point in choosing a subject which is either too difficult for you or will not challenge you.

Your decision also needs to be based on a good understanding of all the courses on offer.

What happens next

Following an analysis of the students' interests, three elective lines (X,Y and Z) will be formed containing the most popular subjects chosen overall. After the subject selection information evening on 7th August, students will be required to choose one subject offered from each elective line. While every effort will be made to give students their chosen electives, not all subjects will be offered due to class sizes, popularity and possible timetabling restrictions. In this instance, students affected will be required to make alternative choices.

Child Studies

Child studies is a hands on practical subject where students learn about childhood development – acquiring knowledge, skills and an understanding of the stages children go through as they grow.

Students will be involved in a variety of practical experiences that will reinforce the content that they learn in the classroom. These experiences include bathing a real baby, taste testing baby foods, making baby clothes, cooking for children, play and craft activities and looking at children's, television programs and technology for today's child.

The program also allows for an excursion to a child care centre, guest speakers and the care of a virtual baby overnight to experience parenthood firsthand.

Course structure

Students will study 13 modules over the two-year course.

Modules

The content is organised into the following modules:

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

This course provides pathways into:

- Stage 6 Community and Family Studies

TAFE Child Studies, Counselling and social work, Family day care, Child care worker, Nanny and Community Worker.

- University courses in Child Studies, Psychology, Social Work, Director of Child Care and Teaching

Course requirements

- 196 page A4 book
- Exclusions: Nil
- Fees/costs: $30.00 per year

For more information contact: Home Economics Faculty

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. In examining these issues students will develop attitudes and values that promote ethical behaviour and social responsibility and a commitment to contribute to a more just and equitable society.

Commerce provides students with an understanding of:

- commercial and legal processes
- personal financial management and financial literacy
- the relationships between consumers, businesses and governments in the overall economy.

By studying Commerce students will develop their skills in:

- problem-solving strategies
- analysis and evaluation.
- critical thinking
- reflective learning

Course structure

Core modules

Year 9	-	Consumer Choice
	-	Personal Finance
Year10	-	Law and Society
	-	Employment Issues

Elective modules

A variety of options will be chosen to be studied over the duration of the course:

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

This course provides pathways into:

- Stage 6 - Legal Studies, Business Studies and Economics
- TAFE - Business, Retail and Legal Courses
- University - Commerce, Marketing, Law

Course requirements

- 196 page A4 book
- Exclusions: Nil
- Fees/Costs: $6.00
- Excursions: Students are expected to attend an overnight excursion to Canberra. This will likely occur during Year 10 in 2020 at an estimated cost of $160

For more information, contact: HSIE Faculty – Mr Barnes, Mr Weir, Mr Jackel, Ms Jones

Dance

Dance has existed as a vital part of every known culture throughout time. It is a distinct form of nonverbal communication that uses the body as an instrument of expression, articulating the culture and society from which it emerges.

The study of 'Dance as an art form' underpins the students' artistic, aesthetic and cultural education through dance. The conceptual basis of the study of dance as an art form centres on the three practices of performance, composition and appreciation of dance as works of art. Equal emphasis is placed on the processes of experience and end products. Students learn both movement principles and stylised techniques, and they learn through both problem-solving and directed teaching. The development of creativity, imagination and individuality is emphasised equally with knowledge of theatre dance.

Dance involves the development of physical skill as well as aesthetic, artistic and cultural understanding. Learning in dance and learning through dance enables students to apply their own experiences to their study of dance. They learn to express ideas creatively as they make and perform dances, and analyse dance as works of art. They think imaginatively and share ideas, feelings, values and attitudes while physically and intellectually exploring the communication of ideas through movement.

Course structure

In Dance, students engage in an integrated study:

- of the practices of performance, composition and appreciation
- and of the elements of dance
- within the context of dance as an art form.

The components in the course are:

- Dance as an Artform
- The Elements of Movement- Dancing body, Elements of Dance (Space, Time, Dynamics),
- Relationships
- Practices- Performance
- Performance
- Composition- Processes, Elements of Construction, Choreographic Forms
- Appreciation
- Planning

Assessment:

Dance particularly lends itself to the following assessment techniques:

- Presentations
- Inquiry-based research assignment and projects
- Peer assessment
- Self-assessment

Course requirements

- Exclusions: Nil
- Fees/costs: Costs will be advised depending on performances and will be charged for: costumes, travel to venues, fees associated with the use of community facilities and performances in dance festivals.

For more information, contact: Mr Holmes HT PDHPE

Drama

The aim of the Drama Course is to develop students' skills in voice, physical movement and acting. Drama will allow students to become involved in situations outside of their everyday experiences and to explore their emotions and responses in a safe and supportive environment. Students will learn how to work as a team, to accept other people's ideas and to make creative contributions of their own. Students will also learn about the history and development of Theatre.

Drama will allow students to develop their speaking skills, self-confidence and their ability to present themselves in a positive way – which will be of benefit to them in their future lives and careers.

Course structure

Areas of study

- The Performer's Tools – Body and Voice
- Improvisation
- Dramatic Forms – Melodrama, Realism etc.
- Play building
- Elements of Production - Lighting, Stage Spaces, Sound etc.
- Responding to Performance
- Rehearsal and Performance Techniques

This course provides pathways into:

- Theatre
- The Arts
- The Entertainment Industry – TV, Film, Radio
- Communications Industry – Journalism, Reviewing, Public Speaking

Course requirements

- 128 page A4 book
- Exclusions: Nil
- Fees/costs: Nil

This is a practical course. Students MUST be willing to perform in front of an audience of their peers.

For more information, contact: Mrs Coppock - English Faculty

Food Technology

Food Technology is a hands on practical subject where students learn about food in a variety of settings – acquiring knowledge, skills and an understanding of ingredients, technology, nutritional status and the quality of life.

Students will be involved in a variety of practical experiences that will reinforce the content that they learn in the classroom. These experiences include excursion to a restaurant, taste testing new foods, organising and cooking food for functions, making and designing children's birthday cakes, multicultural foods and designing diets to meet the needs of individuals. Activities are designed to help students become critical thinkers and informed citizens.

This course is 50% practical.

Course structure

Areas of study

Core topics are embedded in all units of work and are reinforced throughout the whole course of study.

- Food preparation and processing – hygiene, WHS and skill development.
- Nutrition and Consumption – the relationship between nutrition and health, how and why we cook food in certain ways and the food choices we make.

Practical Experiences

Food preparation skills will be developed through design, production and evaluation. Practical lessons occur on a weekly basis and year 9 students also have the opportunity to observe teacher demonstration lessons.

Focus areas

Focus Areas provide a context through which the core will be studied. There are six topics which will be studied over two years.

- Food in Australia – indigenous foods, changes to our eating habits and multicultural foods.
- Food Product Development - designing new foods.
- Food Selection and Health – food choices and impact on health.
- Food Service and Catering – designing and preparing food for catering and functions.
- Food for Special Needs – food requirements at different stages of the lifecycle and specific dietary needs.
- Food for Special Occasions – celebration and special occasion cookery.

This course provides pathways into;

- Stage 6 Food Technology and VET Hospitality
- TAFE studies – Tourism, Butcher, Bar Attendant, Events Organiser, Cook, Baker, Chef, Food Service Manager and Caterer.
- University courses in Nutrition, Dietetics, Food Technologist, Winemaker, Health promotion officer and Teacher

Course requirements

- 196 page A4 book
- Exclusions: Nil
- Fees/costs: $90.00 per year
- Practical equipment including a white drill protective apron and snood.

For more information contact: Home Economics Faculty

Forensic Archaeology

This is a two year course with an emphasis on a variety of investigative topics chosen for their compelling and iconic nature. The course presents intrigues, cover-ups, conspiracies and mysteries, and challenges students to make judgments based on the available evidence.

Fancy yourself as a CSI or time travelling detective? Do you like asking questions and uncovering the truth about unsolved mysteries? How do we find out what happened in the past? How does modern day science such as DNA testing and psychological profiling help us uncover the truth? Forensic Archaeology is for you if you want to know the answer.

Course structure

Areas of study

Year 9

The focus is on detective work, forensic investigation, unsolved murders and mysteries throughout the ages. Some of the topics included are:

- Jack the Ripper
- Forensic skills and changes in investigative techniques
- Unsolved mysteries such as the Loch Ness Monster and the Bermuda Triangle
- The Aztecs
- Villains and tyrants

Year 10

The emphasis in the course is on unsolved Australian mysteries, again looking at the skills important to forensic investigation. Some of the topics include:

- The intrigues of Dr Bogle and Mrs Chandler, and Azaria Chamberlain
- The Shark Arm Murder and the disappearance of the Beaumont Children
- The search for lost treasures and mysteries of the deep
- Bushrangers and outlaws; heroes or villains

Excursions to such places as the Police and Justice Museum and special exhibits are planned for both years.

This subject uses a multi-disciplinary approach to problem solving. It develops skills in reasoned argument and helps students to master key competencies. It promotes sequencing, logical thinking and the acquisition and application of analytical skills useful in all areas of life. The essential modern day skills of collating and weighing evidence, and from that making inferences and judgements, are integral to Forensic Archaeology.

Course requirements

- 196 page A4 book
- Exclusions: Nil
- Fees/costs: $6.00

For more information contact: HSIE Faculty - Mr Rogers, Ms Proops, Miss Jones, Miss Liddell

French

"The limits of my language are the limits of my world." (L. Wittgenstein)

When you study French, not only do you learn a new language, you are also immersed in a culture that influences trends around the world in fashion, food, film, technology and more. You will get the chance to see French films and plays, play language games and visit the French school in Sydney. As part of this course students will have the opportunity to travel to France as an exchange student. Students will have the opportunity to attend excursions to try French food (yes even snails), the French pancake days and the chance to discover how close Australia came to being French!

Of course, if you think you may want to work here or overseas in the areas of travel and tourism, hospitality, marketing, translating, teaching, aid agencies, media and journalism (to name just a few), a second language is an invaluable and sometimes necessary sometimes necessary skill to have.

If you enjoy travelling to other places, learning about people in other countries or if you have simply enjoyed doing French in Year 7 or 8, then this is the course for you!

Course structure

Areas of study

In both Years 9 and 10 the focus is on learning the language needed to be able to travel and communicate in everyday situations like shopping, eating out, asking for and understanding directions as well as talking about yourself; your family and friends, likes and dislikes, leisure activities, school life and daily routine.

This course provides a pathway into:

- Stage 6 French
- TAFE and university courses at the end of Year 12
- A more rewarding and interesting life!

Course requirements

- 196 page A4 book
- Exclusions: see explanation below
- Fees/costs: $6.00 plus payment for student workbook – cost to be confirmed

Exclusions: It is not necessary to have studied Indonesian in Years 7 and 8 to take this subject. Those topics that have been introduced in Year 7 and 8 are revised and further extended on in this course for Year 9 and 10.

For more information, contact: Mrs Nelson or Mrs Teo - Language Faculty

Graphics Technology

Graphics is a universal language and an important tool for thinking and communicating. Through the study of Graphics Technology students will develop the capacity to solve problems and generate and communicate solutions. An important part of the learning process within this course involves the visualisation and manipulation of three-dimensional images. This develops confidence in the solving of problems and in communicating in a global technological world.

Graphical images are used universally by people in all areas of society and are an essential means of communicating between the designer, technical personnel, manufacturers, management, marketing personnel and the consumer. As such Graphics Technology provides a sound basis for study in a wide range of areas and possible future vocations.

Course structure

Graphics Technology is a hands-on course offering a broad range of experiences in the design and production of graphical images. The course offers experiences in the fields of technical graphics as used by engineers, architects etc. and in design graphics as used in advertising by graphic designers etc. The course is run so that students will have the opportunity to develop skills in the graphics classroom and also use computer technologies. Approximately 50% of the course time will be dedicated to each area. A broad range of topics is covered in the course and a wide range of industry standard software is used by students. Topics covered may include Engineering Drawing, Architectural Drawing, Promotional Design and Digital Media. Students may use Google Sketchup, Pro Engineer, Adobe Photoshop, Adobe Illustrator and Adobe Premier for video editing.

Innovative technologies such as 3D printing, CNC machining and laser cutting/engraving will be utilised in Graphics. Students will be provided opportunities to draw objects in a variety of programs and then convert them into3-dimensional objects using the above technologies. Other graphical concepts such as rendering, graphical presentation and air-brushing will be explored.

Course requirements

There are no prerequisites for this course. The course builds upon skills learnt in the Technology course in Years 7 and 8 and augments the skills required to excel in other technology subjects. It provides a good grounding for students wishing to continue their study in IT Graphics, Engineering Studies, Design and Technology, IT Multimedia or Information Processes & Technology in Year 11.

- Exclusions: Nil
- Fees/costs: $40.00 per year

For more information, contact: Mr McLean or Mr Tsaccounis - Industrial Arts Faculty

Indonesian

"A different language is a different vision of life" (F. Fellini)

When you study Indonesian you not only learn the language of Australia's nearest Asian neighbour, you are also immersed in the culture of this unique country. You'll come to understand and appreciate the Indonesian way of life. In short, when you travel to Indonesia in the future, perhaps to Bali or elsewhere, you'll be one step ahead of everyone else.

Beyond the language skills, this course is designed to enhance your understanding and appreciation of a different culture. Of course, if you think you might want to work here or overseas in the areas of travel and tourism, hospitality, marketing, translating, media and journalism (to name just a few), a second language is an invaluable and necessary skill to have. Indonesian is a very easy language to learn, it is easy to write and spell and has no complicated grammar.

It is one of the 4 priority Asian languages set by the Australian Government which highlights the important role Indonesia will play in Australia's future.

This is a 'hands on' interactive course where you will get to play Indonesian instruments, sample Indonesian food, view Indonesian performances and take part in other Indonesian cultural activities and excursions. You will learn Indonesian using on-line games and activities; you may even get to blog with students of other schools who are learning Indonesian or host an Indonesian exchange student.

If you enjoy travelling to other countries, learning about other cultures or if you have simply enjoyed doing Indonesian in Year 7 or 8, then this course is for you!

Course structure

Areas of study

In both Years 9 and 10 the focus is on learning the language needed to be able to communicate in everyday situations like shopping, eating out, asking for and understanding directions and travelling as well as talking about your family and friends, like and dislikes, leisure activities, school life and daily routines.

This course provides pathways into:

- Stage 6 Indonesian
- TAFE and University courses at the end of Year 12
- A more rewarding and interesting life!

Course requirements

- 196 page A4 book
- Exclusions: see explanation below
- Fees/costs: $6.00 plus payment for student workbook – cost to be confirmed

Exclusions: It is not necessary to have studied Indonesian in Years 7 and 8 to take this subject. Those topics that have been introduced in Year 7 and 8 are revised and further extended on in this course for Year 9 and 10.

For more information, contact: Mrs Nelson or Mrs Teo - Language Faculty

Industrial Technology – Art Metal (Silver Jewellery)

Jewellery making is an integral part of the history and culture of the world. It involves a great deal of thought, the development of a diverse range of motor skills and the feeling of worth through the creation of something of beauty that can be worn.

The aim of the course is to teach students to research ideas, design or modify existing projects and finally to construct an article which is aesthetically pleasing to themselves and others that they can wear with pride. Assessment will be based upon practical, written and graphical elements.

Course structure

While developing an appreciation for good design, students will gain experience in the safe use of many hand, portable and fixed tools and machines. Students will also experience a range of materials, use modern techniques to manufacture, consider the workplace and its effect on our society and environment.

Year 9 Semester 1 will involve working through pre-designed projects such as fabricating rings, bracelets and pendants, setting stones into rings and repairing or repolishing your favourite pieces of jewellery from home.

Semester 2 involves developing and creating a design of your choice in either silver, wrought iron using the scroll bending or by using more traditional fabrication methods to create a coffee table or hall stand.

Year 10 Semester 1 involves creating two rings, a chain, a pendant and finally setting a stone in a claw setting.

In Semester 2 the course will involve the students planning, designing and manufacturing a project or series of projects of their choice based on a theme or modified idea they have experienced. Some students choose to stay with fine Silver Jewellery, others develop tables, hallstands, bedheads, leadlight mirrors, metal sculptures etc. utilising a range of materials and processes. In order to complete the final design, students must consider: the design process, materials used, equipment, techniques, costing etc. They must become the project manager.

This course provides pathways into Industrial Technology - Metals and Design & Technology careers can be undertaken post school in the jewellery industry and a range of design orientated occupations.

Course requirements

- Exclusions: Students may only study up to two courses from Industrial Technology. Metalwork and Art Metal (Silver Jewellery) cannot be studied together.
- Fees/costs: $60.00 as a deposit plus an amount for variations depending on the major work in Term 4 Year 9 and Term 3/4 Year 10

For more information, contact: Mr Moon - Industrial Arts Faculty

Industrial Technology - Metalwork

We live in an engineered world and depend heavily upon engineered products for our quality of life. The course in Metal Technology provides students the opportunity to develop the necessary skills and understanding to work in the many metal and allied engineering professions.

Course structure

This course actively engages students in a diverse range of creative and practical experiences in the metal manufacturing area. Students utilise a broad range of technologies in metal machining, metal fabrication and sheet metalwork to produce quality practical projects. Whilst the course focuses on the development of skills and an understanding of materials, tools and techniques, key areas for study include Work Health Safety (WHS), design, links to industry, workplace communication and the impact of the metals industries on society and the environment.

Students' projects develop in complexity as their skills levels are developed. To complete their course of study students will undertake a major project in Year 10 which will involve the design, planning, construction and evaluation of their work.

Creativity and the application of appropriate techniques are emphasised when students undertake independent work. Projects are many and varied depending upon the interests of the students. An ornate hall stand with mirror, portable BBQ, fire pits, skate and bike and many other projects have been completed in recent years.

This course provides pathways into Stage 6 courses in Metal & Engineering and provides a sound basis for further study at tertiary level. The manufacturing industries in Australia are dependent upon skilled personnel in the metal trades.

Course requirements

- Exclusions: Students may only study up to two courses from Industrial Technology. Metalwork and Art Metal (Silver Jewellery) cannot be studied together.
- Fees/costs: Fees are $70.00 per year deposit (variations occur according to projects chosen). A safety kit is also required including ear muffs, safety goggles, apron and welding gloves.

For more information, contact: Mr Somerfield, Mr Moon or Mr McLean - Industrial Arts Faculty

Industrial Technology - Timber

Timber has been used by humans for thousands of years. Its strength and natural beauty make it an ideal material for the construction of furniture. In this course you will construct projects that utilise the strength and aesthetic values of timber. You will be given access to a range of new tools, machines and processes that will enable you to develop a variety of projects.

Course structure

The course includes the development of wood and wood machining skills and is currently being enjoyed by both girls and boys.

Making a variety of practical projects such as turned tables and cabinets, students are introduced to skills and techniques using hand tools. A variety of portable power tools and fixed woodworking machines such as the drill press and lathe are used. Recent developments in green timber turning, microwave seasoning and CNC machining are included in the course.

Students are encouraged to plan and design projects to suit their personal requirements. This personal motivation and interest ensures all students produce high quality projects developing self-esteem and pride in their work.

Projects and skills developed in Year 9 allow students to manufacture products equivalent to commercially available stock by the end of Year 10.

An important aspect of the course is safety. Students are given all the necessary information through demonstrations and online tutorials to ensure each and every student is confident when using hand tools, power tools and machines. Students complete theory notes to document their learning and provide a sound basis to plan their year 10 projects. All year 10 students complete a design folio as a record of their work, a valuable document to keep when seeking employment.

The course provides pathways into further study in Industrial Technology - Timber or Design and Technology. Building, carpentry, cabinet making are all possible vocations that stem from a study in woodwork.

Course requirements

- Exclusions: Students may only study up to two courses from Industrial Technology.
- Fees/costs: $70.00 per year deposit (variations occur according to projects chosen).

For more information, contact: Mr Somerfield, Mr McLean or Mr Robinson - Industrial Arts Faculty

Marine Science (Marine & Aquaculture Technology)

To enrol in this course, students MUST be able to:

- Swim 200m in still water
- Swim 25m fully clothed
- Swim 10m underwater

Students will have to demonstrate that they can do these before beginning the course

Marine Science fits into an emerging field of study relating to sustainability of marine and related environments. At a time of pressure on the marine environment, Australians must be aware of and understand this fragile environment, and consider how to effectively manage the coastline, continental shelf, islands, estuaries and the life they contain.

The development of sustainable methods of farming fish, molluscs, crustaceans and aquatic plants is now recognised as essential for relieving the pressure on wild fish stocks as well as on the marine and aquatic environment.

The study of Marine Science provides an opportunity for the future custodians of this environment to develop the necessary knowledge and skills to use and protect its unique ecosystems, and at the same time communicate their appreciation to the community. Students are required to examine the impact of technology and human activity on the marine environment.

Marine Science is an elective linked to the needs of a community that uses its coast and waterways and which fosters links to tertiary study and vocational pathways. This elective also brings a wide range of marine-based leisure experiences to students in a safe setting.

Course structure

The course consists of two mandatory core topics, during which students study water safety, general first aid, maintenance of marine equipment and features of the marine environment. Students also have to study eleven optional modules, chosen from a list of 48 modules that include Marine Mammals, Navigation, Dangerous Marine Creatures, Basic Snorkelling, Fish Harvesting, Food from the Sea, Water Birds of NSW, Marine Pests and Threats and Maritime Industries and Employment

Throughout the course, students will participate in a number of excursions that involve recreational marine activities including snorkelling, fishing, kayaking, whale watching and museum visits. Year 10 students may also participate in a three-day excursion to Lady Elliot Island on the Great Barrier Reef.

Course requirements

- Exclusions: Nil
- Fees/costs: $50 per year, parents should also be aware that excursions are a mandatory part of this elective. For example, whale-watching trips, fishing days, museum visits, etc. The cost of these excursions will be approximately $100.00 per year.

For more information, contact: Mrs. Vials Head Teacher Science

Music

The aim of the Music course is to provide students with the opportunity to acquire the knowledge, understanding and skills necessary for active engagement and enjoyment in performing, composing and listening and to allow a range of music to have a continuing and active role in their lives.

Students will develop performance skills on various instruments such as keyboard, guitar, drums, woodwind, brass, string or voice. Previous knowledge, understanding and experience of an instrument is not compulsory, however it is strongly encouraged. Students must have the motivation and desire to learn and play on an instrument. They will learn to create their own music using various technology and develop an aural (listening) awareness through a wide range of musical activities.

Course structure

Areas of study

The three main areas of study are Performance, Composition and Listening. Students will develop knowledge, understanding and skills in the concepts of music - Pitch, Duration, Dynamic and Expressive Techniques, Tone Colour, Texture and Structure. A variety of styles and periods of music will be covered in the study of these learning experiences.

Core modules

The compulsory topic is Australian Music. A range of repertoire from a variety of styles of Australian Music, as well as Art Music will be covered. Technology in music is embedded into all topics covered in the course.

Elective modules

Additional topics such as Popular Music, Rock, Music for Radio, Film and Television, Music and Technology, Classical Music, Jazz, Theatre Music and Music for Small Ensembles can be chosen.

This course provides pathways into:

- Stage 6 Music 1 and 2 and Music Extension courses
- Further education courses at University or TAFE
- Working as a professional musician or in music related industries.

Course requirements

- Exercise book with manuscript paper and an A4 display folder
- Exclusions: Nil
- Fees/costs: $10.00 per year

For more information, contact: Music Faculty

Photographic & Digital Media

The Photographic and Digital Media course provides opportunities for students to explore and enjoy the field of photographic and digital media in great depth and focus. The practice focuses on photography, video and digital imaging. This course provides students with specialised learning opportunities to explore traditional and contemporary artistic practices, such as darkroom techniques, design, television, film, video, mass media and multimedia.

Students will be involved in visual forms of communication that encourages the creative and confident use of technologies - traditional, contemporary and emergent applications and digital media in making critical and historical studies of photographic and digital works.

Course structure

The content is organised in 3 broad areas, as it connects with making, critical and historical interpretations and explanations of photographic and digital media.

The course is structured as a series of units of designed learning experiences in which students gain skills, explore the expressive potential of materials and techniques, gain confidence in photographic and digital methodology and attain aesthetic literacy.

Wet Photography

- Camera use and manipulated images
- Traditional black and white
- photography
- Non camera based works
- Collage, montage and image transfers

Digital Forms (Still)

- Digital camera use, computer
- generated images, digitally
- manipulated photography

Time-based Forms

- Video, digital animation,
- performance works, installation works and other time-based (4D) forms

This course provides pathways into further study in the Stage 6 related course of Visual Arts and offers vocational and career opportunities in the university and TAFE sections.

Course requirements

- Exclusions: Nil
- Fees/costs: $60.00 per year

For more information, contact: Visual Arts Faculty

Physical Activity & Sports Studies

Physical Activity and Sports Studies is a course which looks at how people become skilled in movement-based activities. It involves both Theory and Practical work. The students will investigate:

- the anatomy of the body which allows movement,
- the effects of movement activities on the body,
- how to learn movement skills effectively,
- how to recognise and perform quality movement skills,
- the impact of movement activities on our society.

The course is designed for people who have an ability or strong interest in Physical Education, Fitness and Health.

Course structure

Areas of study

Year 9

Theory Topic

- Principle of Movement (Anatomy)
- Motor Learning & Skill Acquisition
- Sports Injuries
- History of Sport
- Issues in Health Studies
  - Australia Sports Identity
  - Politics in Sport
  - Women in Sport
  - Competition
  - Sponsorship
  - Violence in Sport
- Life Saving Theory

Practical Topic

- Gymnastics
- Racquet Skills/Tennis/Badminton
- Athletics
- Basketball
- Baseball/Softball
- Swimming/Lifesaving
- Lacrosse

Year 10

Theory Topic

- Physical Fitness
- Exercise and Fatigue
- Training Methods
- Drugs in Sport
- Mass Media in Sport
- Principles and Practice of Coaching
- Oz tag

Practical Topic

- Gymnastics
- Squash
- Golf
- Refereeing Ball Sports
- Weight training/circuit work
- Swimming and Water Polo

This course provides pathways into the senior 2 Unit HSC course in Personal Development, Health and Physical Education which is offered in the senior school at Heathcote. The PASS course would provide a substantial background to this course and would flow naturally into it.

Course requirements

The course involves some travel and cost to use community sports facilities such as swimming pools, weight training gyms, tennis and squash courts etc.

- Exclusions: Nil
- Fees/costs: $20.00 for workbook plus travel & admission costs to venues

For more information, contact: Mr Holmes Head Teacher PDHPE

STEM (Science Technology Engineering Mathematics)

It has been recognised that Science, Technology, Engineering and Mathematics (STEM) are fundamental to 21st century learning and employment. They provide enabling skills and knowledge that will underpin many professions and trades of a technology based workforce. Research indicates that 75% of the fastest growing occupations require knowledge that is fundamental to STEM.

The iSTEM School Developed Board Endorsed Course covers a number of STEM based fields, including; Fundamentals, Aerodynamics, Motion, Mechatronics, Surveying, Aerospace, Statistics, CAD/CAM and Biotechnology.

Projects and the associated theory will reflect the module covered and will take advantage of both inquiry-based (IBL) and Project Based Learning (PBL) techniques. IBL projects will allow students to explore before they explain, where the PBL technique where students will be required to organise their solution around an open-ended question. This program will develop critical thinking, problem solving and collaborative design skills. Students will design and construct practical solutions to each of the given tasks / challenges in each module.

Possible projects may include solar powered vehicles and signs, Rube Goldberg machines, robotics and programming, bottle rockets and drones.

Course structure

The STEM course will be delivered in four core Modules consisting of:

- STEM fundamentals 1
- STEM fundamentals 2
- Mechatronics 1
- Mechatronics 2

There will also be six elective modules which may include;

- CAD/CAM 1 and 2
- Motion
- Aerodynamics
- Design for Space
- Statistics and Action
- Biotechnology
- STEM PBL 1 and 2

This course provides pathways into stage 6 Physics, Engineering Studies, Design & Technology,

Course requirements

- Exclusions: Nil
- Fees/costs: $75.00 per year (variations may occur according to projects/solutions selected).

For more information contact: Mr McLean Industrial Arts Faculty or Mr Thorncraft Science Faculty

Textiles Technology

Textiles Technology is a hands on practical subject where students develop confidence and proficiency in the design and production of textile items.

Students will be involved in a variety of practical experiences that will reinforce the content that they learn in the classroom. These experiences include designing, fabric colouring, decoration, fashion illustration and construction of textile items. The program also allows for an excursion to the Craft and Quilt Fair, and being involved in the school fashion parade as either a model or support crew. Currently the projects produced by students include a sewing bag, soft toy doll, a kimono robe, cushion, wearable art dress and a baby's dress.

Textile Technology fosters creativity, inspires and challenges every student allowing for individual design and expression of their ideas.

Practical work makes up 70% of the course.

Course structure

Areas of study

There are three areas of study:

- Design
- Properties and Performance of Textiles
- Textiles and Society

Project Work

There are two components of project work:

- Development of practical skills to produce textile items.
- Documentation of student work – through design folios, fashion illustration and storyboards.

Focus Areas

Focus areas are the fields of textile specialisation that direct choice for student projects.

They may include;

- Apparel –clothing and accessories.
- Furnishings – cushions, bedspreads and quilt covers.
- Costume – theatre, fancy dress, traditional and dance costumes.
- Textile Arts – wall hangings, fabric artworks, sculptures and wearable art.
- Non Apparel – toys, bags, jewellery and books.

This course provides pathways into;

- Stage 6 Textiles and Design, Design and Technology and Vocational Education and Training in Fashion and Textiles.
- TAFE – Fashion Design, Screen Printer, Retail Buyer, Fashion Coordinator, Patternmaker, Visual Merchandiser and Set designer, Window Dresser.
- University courses in Fashion Design, Textile Technologist, Fashion and Textile Merchandising, Textile Design and Textile Testing, Footwear Designer and Interior Design.

Course requirements

- 128 page A4 book
- Exclusions: Nil
- Fees/costs: $60.00 per year plus purchase of fabric and resources for practical projects.
- Sewing Requirements – basic sewing supplies such as pins, needles and thread.
- A4 Design diary: supplied by school

For more information, contact: Mrs Hunter or Mrs Mullins - Home Economics Faculty

Visual Arts

The course is designed to provide students with learning opportunities to encourage students to understand the visual arts, including different kinds of artistic and creative works they, and others, make.

Course structure

Areas of study

The course is structured as a series of units of designed learning experiences in which students gain trainable skills, explore the expressive potential of materials, gain confidence in Art methodology and attain aesthetic literacy. Each unit includes an integration of making art and the critical and historical study of art and each unit proceeds from students' experiences in their immediate environment as a source of ideas. Students are assessed in the Visual Arts by their performance in achieving the course requirements. Work unit details, work programs, course requirements and assessment dates are given at the start of each year in the form of a student assessment timetable.

Core modules

2D Forms	3D Forms	4D Forms time based works
• Drawing • Painting • Printmaking • Photo and digital media • Graphics including • computer generated works • Collage, frottage, montage	• Ceramics • Sculpture • Installations • Textiles • Designed Objects -wearables, • body adornment, • exterior and interior environments	• Performance Works • Time based installation works • Video/Film • Digital animation

This course provides pathways into:

- Stage 6:- Visual Arts
- TAFE: Diverse fields of art, design and other creative technology industries.
- University: Teaching and diverse fields of art, design and other creative technology industries

Course requirements

- 128 page A4 book
- Exclusions: Nil
- Fees/costs: $50.00 per year
- process diary: supplied by school
- art materials supplied by the school, however individual works that may have a higher cost will be at student's own expense

For more information, contact: Ms Savic – Head Teacher Art/Music/Language