

Ballarat High School



Year 9 Elective Information



ARCHfacts 2024

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Welcome to the ARCH program

The Year 9 program is conducted from a stand alone building situated near the Arch of Victory where the aim of the program is for students to develop a range of skills around the **ARCH** philosophy outlined below.

| | |
|----------|---|
| A | Active in their learning. |
| R | Resilient, prepared to meet new challenges. |
| C | Connected to their learning, peers and community. |
| H | Happy about being at school. |

The program sees students participate in a core curriculum containing the following areas of learning. Students have two staff members who deliver a majority of the core curriculum (excluding the Physical Education component) allowing them to better understand and cater for the student's learning needs.

- English & Humanities
- Mathematics & Science
- Physical Education
- Thinking Learning Connecting (TLC)
- Learning and Wellbeing.

The core curriculum is supported by an extensive elective program where students select two electives per term for each of the four terms. The elective program comprises a range of options across the following areas of learning.

| | | | |
|-------------|-----------------|-----------|-------------------------------|
| Visual Arts | Performing Arts | English | Technology |
| Science | Humanities | Languages | Health and Physical Education |

Subject Selection Advice

Year 9 is a time to trial as many subjects and pathways as possible. As such, students are encouraged to choose subjects from a range of curriculum areas. Students should also be aware that choosing the same elective subjects as their friends does not guarantee that they will be in the same classes.

Students complete 8 elective subjects across Year 9 (2 each term).

It is **highly recommended** that students choose an elective from Arts (performing or visual) & Technology.

Sport Education is completed by all Year 9 students and is not included as one of the 8 elective subjects.

Top 8 preferences

| | |
|----|----|
| 1. | 5. |
| 2. | 6. |
| 3. | 7. |
| 4. | 8. |

Reserve preferences

| | |
|-----|-----|
| 9. | 11. |
| 10. | 12. |

Year 9 Sport Education

Year 9 Sport Education is a practical study of a range of sports and the responsibilities involved in conducting these sports, including coaching, umpiring and scoring. Students will develop their knowledge of tactics and strategies required for specific sports and the ability to transfer skills between games and similar physical activities.

Structure of Sport Education

Students will participate in a range of sports for 2 periods per week under the topics Kicking, Striking, Throwing, Minor Games, Net Sports and Fitness and Leisure.

It is a requirement that students are changed into their Ballarat High School Physical Education uniform for all lessons. If they are unable to participate, a signed note from a parent or guardian must be supplied.

Sports students may participate in include:

- **Kicking:** AFL, Soccer, Gaelic Football, Speed Ball
- **Striking:** Cricket, Softball, Hockey, Down Ball
- **Throwing:** Basketball, Netball, Korfball, Handball, Lacrosse, Tchoukball
- **Minor Games:** Relating to the Fundamental Motor Skills of throwing, kicking, striking, invasion games
- **Net Sports:** Volleyball, Tennis, Badminton, Table Tennis
- **Fitness and Leisure:** Walking, Weights, Bocce, Running, Circuits, Boxing



2024 Year 9 Elective List

| Arts | | Health & Physical Education | | Performing Arts | | Technology - Home Economics | |
|---|---|-----------------------------|------------------------------------|-----------------------------------|------------------------------|---------------------------------|---------------------------------|
| | Art: Ceramics & Sculpture | | Action in the Outdoors | | Drama | | World Foods |
| | Art: Drawing | | Bike Education | | Theatre Studies | | Baker's Bounty |
| | Art: Painting | | Get Active | | Music Practical | | Asian Cookery |
| | Art: Photography & Digital Imaging | | Mind and Body | | Music Technology | Technology - Metal, Wood & STEM | |
| | Art: Printmaking | | Outdoor Education | | Music Performance | | Knotty Bits Wood Class |
| | Ceramics: Pottery | | Specialist Sport | | VET Cert II Music | | Metal |
| | VCD: Architecture | | Year 9 Physical Education | Science | | | STEM Engineering Under Pressure |
| | VCD: Computer Assisted Design and Engineering | | Relationships & Sexuality *NEW* | | Food Science | | STEM Rocket Wars |
| | VCD: Graphic Design | Humanities | | | Forensic Science | | STEM: Year 9 Lighting Design |
| English | | | Germany at War | | Exploring with Science | Technology - Textiles | |
| | Creative English | | International Studies | Technology - Digital Technologies | | | Clothing: Design and Production |
| | Film Studies | Languages | | | Coding | | Interior Design and Production |
| | Journalism | | German - Full year | | Conquering the Digital World | | Soft Toy Design and Production |
| | Myths & Legends | | German - Half year | | Programming | | Tech Styled Textiles |
| Subject selections due by: <div></div> | | | Japanese - Full year | | Strategy Games | | |
| | | | Japanese - Half year | | | | |

Arts Electives

Art: Ceramics and Sculpture

Course Outline

Students will design and construct 3D artworks using clay with various construction and decoration techniques. Students combine basic clay modelling techniques, such as pinch and slab construction, to develop complex forms. Several creative themes will be explored to stimulate ideas for their artworks. Students will maintain a visual diary documenting study of sculptors, student planning, ideas, sketches and evaluations.

Assessment

- Visual diary
- Folio of completed ceramic sculptures

Art: Drawing

Course Outline

This elective unit focuses on developing skills through observational drawing of various subject matter. Students gain experience and control with a number of traditional drawing materials and techniques while developing their own personal style. Students will maintain a visual diary documenting research of an artist as inspiration for drawing development and demonstrating development of skill and personal style

Assessment

- Visual diary
- A folio of finished drawings

Art: Painting

Course outline

Students explore a range of painting techniques and styles based on class interest. Topics may include watercolour, still life, pop art, landscape, portraits and stencil. Students record their development of painting skills, ideas and exploration of artists from a range of periods and cultures in a visual diary.

Assessment

- Visual diary
- Production of final works

Art: Photography & Digital Imaging

Course Outline

This elective unit will introduce students to photography and digital imaging as an art form. Students will gain experience producing and manipulating images in Photoshop as well as learning the basics of operating a digital SLR camera. Students will record their learning and explore the work of existing photographers using a visual diary

Assessment

- Visual diary
- Finished photographic artworks

| | |
|--|---|
| <p style="text-align: center;">Art: Printmaking</p> <p>Course Outline Students revisit and expand on the lino printing process creating more elaborate artworks. Other advanced printing techniques explored may include screen printing, etching and mono prints. Students will take part in arranging their work, so it can be presented for an exhibition within the school. Students explore the work of professional printmakers to inform their own art practice which is documented in a visual diary.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Visual diary • Production of final works | <p style="text-align: center;">Ceramics: Pottery</p> <p>Course Outline Students will explore ceramic techniques to make functional pottery. Techniques such as Slip casting, Pottery, Wheel throwing and other moulding techniques will be used to create such things as cups, bowls, plates and vases. A major aspect of making functional pottery is the decoration of the surface of the pot. Students will explore and use various glazing techniques to create artistic designs. Students will also look at the pottery work of Ceramic artists for inspiration.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Visual diary • Folio of ceramic pottery |
| <p style="text-align: center;">Visual Communication Electives</p> <p>There are three possible streams for Visual Communication and Design</p> <ul style="list-style-type: none"> • Graphic Design • Architecture • Engineering Drawing & CAD <p>Students can undertake any combination of these.</p> <p>Each is an independent course which will compliment but not overlap the others. All three courses will prepare students for Visual Communication in years 10, 11 and 12.</p> | <p style="text-align: center;">VCD - Architecture</p> <p>Course Outline This subject will focus on design for the built environment. Students will learn specific skills in perspective drawing and architectural rendering as well as the construction and dimensioning of house plans. They will also develop computer aided design models and renderings of Architectural spaces.</p> <p>Assessment.</p> <ul style="list-style-type: none"> • Production of Manual perspective drawings • Analysis of an existing space • Architectural Design process • Architectural plan production • Computer Aided Modelling and Rendering |

VCD - Computer Assisted Design & Engineering

Course Outline

Students produce two and three dimensional engineering drawings and develop simple functional objects in response to a design problem. Students use Computer Aided Models with laser cutting and 3D printing fabrication techniques to test and evaluate their designs. Students explore Digital manufacturing techniques.

Assessment

- Research task
- Formal drawings
- Object Design process
- Object plan production
- Computer Aided Design

VCD - Graphic Design

Course Outline

This subject will focus on manual drawing and computer based design skills. Students will complete a range of visual communications that may include the development of a new logo for a music app and a uniform for a club team or group. Students will explore the ways in which designers communicate using imagery.

Assessment

- Folio of design work
- Written analysis of graphic design samples
- Final presentation/s



Arts Elective Contact:

Jack Marshall

Location:

Technology building (first floor)

English Electives

Creative English

Course Outline

In this elective, students have the opportunity to write in a variety of modes and styles. They are encouraged to experiment and expand on their own writing. The following forms of writing may be studied: short stories, descriptive writing, poetry, sensory writing, dialogue, letters and diary writing. Students can also elect to do extra or alternative forms of writing.

Assessment

- Collection of writing

Film Studies

Course Outline

Students study a range of film texts including feature films, short films, trailers and selected sequences. They will analyse how cinematic techniques, codes, conventions, style, and expectations of genre are used by a director to impact audience reception. There is opportunity for students to engage in the production process, including writing, storyboarding, filming and editing.

Assessment

- Scene analysis
- Storyboarding
- Statement of Intention

Journalism

Course Outline

Journalism covers writing styles and the presentation of news and entertainment through TV, magazines and newspapers. Students will learn about demographics and how to appeal to specific audiences through advertising. Students will work in editorial teams to mock-up magazines, cover local stories, and create their own newsletter. Find out how journalistic bias can stretch the truth to make you believe things that are not entirely true.

Assessment

- Written news articles
- Analysis of opinion columns
- Generation of magazine covers and articles

Myths & Legends

Course Outline

Myths & legends aims to identify the importance of myths and legends in communicating values and using narrative to explain the world. Students also learn how ancient myths and legends preserve cultures. Students will focus on the work of Carl Jung and Joseph Campbell and examine the oral tradition of storytelling. Key concepts include the hero's journey and archetypes.

Assessment

- Report on archetypes
- Epic story presentation
- Poster on the Hero's Journey
- A brochure on a mythical beast/location

English Elective Contact:

Polly Durey

Location:

TLC building



Health & Physical Education Electives

Action in the Outdoors

Course Outline

Action in the Outdoor aims to introduce students to a variety of recreational activities to develop their skill set when planning for and participating in the outdoors. Students cover topics like bike education, orienteering, nutrition for expeditions and environmental studies.

Assessment

- Practical participation
- Classwork
- Projects

Bike Education

Course Outline

Bike Education aims to introduce students to all aspects of bike riding. Everything from changing a tyre tube to navigating berms. Before heading out for a half-day ride along the Skipton Rail Trail, students will learn about bike safety and road rules.

Assessment

- Written task
- Rider analysis
- Reflection on ride

Get Active

Course Outline

Year 9 Get Active is a practical and theoretical analysis of participation in physical activity. Students will participate in a range of sport and recreation activities to develop their understanding of the benefits of physical activities as well as injury prevention and first aid.

Assessment

- Practical participation
- Common Assessment Tasks

Mind and Body

Course Outline

In Mind and Body students will focus on a range of health topics such as mental health, drugs and relationships. In each topic students will develop a comprehensive understanding of harm minimisation strategies and community services.

Assessment

- Assignment
- Investigations
- Workbook

Outdoor Education

Course Outline

Outdoor Education introduces students to the studies of the outdoor environment. The subject introduces students to a range of outdoor environments and highlights their importance to contemporary study. Students study bush walking, camp cooking, natural disasters, national parks and rock climbing.

Assessment

- Practical participation
- Classwork
- Projects

Year 9 Physical Education

Course Outline

Year 9 Physical Education is a practical and theoretical study of sport. Students will participate in practical activities that range from sport specific activities to fitness training. Students also learn about the skeletal, muscular and cardiovascular systems.

Assessment

- Practical participation
- Test
- Assignment

Relationships & Sexuality

Course Outline

This subject will continue to build upon the reproductive and sexual health content taught at Years 7 and 8 and will support students to develop knowledge, understanding and skills that will help them to establish and manage respectful relationships. It will also support them to develop positive practices in relation to their reproductive and sexual health and the development of their identities. In doing so, students will gain an understanding of the factors that influence gender and sexual identities.

Assessment

- Reflective journal
- Responding to scenarios
- Podcast analysis
- Group presentation

Specialist Sport

Course Outline

This is a practical subject where students will train in their specialised sport for two periods a week. Sports include Netball, Football, Athletics, Strength and Conditioning, Basketball, Badminton and Tennis.

Students will also train for another two periods to develop their practical and theoretical knowledge of fitness components, strength and conditioning.

Only students selected can take this subject.

Applications are available from Mr Borner. Please see the application form for more information.

Assessment

- Skill development
- Fitness assessment and
- Knowledge of the sport



Health & Physical Education Contact:
Faith Scholten

Location:
Sports Office (gymnasium entry)

Humanities Electives

Germany at War

Course Outline

“Germany at War” allows students to investigate the creation (and re-formation) of Germany between 1871 and the present day. Students will explore the implications of the First and Second World Wars, including the emergence of Adolf Hitler and the Holocaust. Students examine the breakdown of political relationships between European Nations and other world powers, from the Berlin Wall to Brexit. This elective allows students to understand the post-war period and its implications still present in the modern day.

Assessment

- Timeline creation
- Research of a key figure
- Extended writing tasks

International Studies

Course Outline

This elective explores what culture is and the impact culture has on decision making around the world. Students will also have the opportunity to explore peacekeeping bodies, such as the United Nations and their role and relevance in present and past issues. Finally, students will be able to research a particular instance of global cooperation or conflict and the impact this has had on relationships around the world.

Assessment

- Culture portfolio
- Case studies
- Research tasks



Humanities Elective Contact:

Fiona Lindsay

Location:

Administration Building Staff Room 209

Language Electives

German

Prerequisite: Have achieved at or above expected level in Year 8 German.

Course Outline

German at Year 9 is an exciting dive into both the German language and culture. From programming robots in to Germanic cooking we get hands on with all things Deutsch!

Students continue to build on their skills and knowledge gained throughout years 7 and 8, which is why previous good grades are important. We cover 6 units including excursions, sport, health and daily life, and permission and persuasion.

As we increase focus on intercultural experiences students compare Australian and Germanic lifestyles and consider future pathways and options, including how German might be part of these. All students of Year 9 German are eligible for participation in the exchange program to Germany for 3 weeks in Term 3.

Assessment

- Role Play in a Restaurant
- Daily Routine Schedule
- Commentate a Football Match
- Persuade a parent to let you go to a Party



Contact: Charlotte Ross-Harris

Location:
Sheehan Wing
(second floor)

Japanese

Prerequisite: Have achieved at or above expected level in Year 8 Japanese.

Course Outline

This elective builds on the skills and knowledge gained in years seven and eight. Students will work more with the katakana written script to broaden their ability to interact with Japanese texts and culture.

Students will also learn more kanji and develop the grammar skills necessary to incorporate this into complex sentences.

An important part of Japanese culture is also about food and festivals, so students will learn about these, taking part in excursions locally and to Melbourne in order to experience Japanese food in a more traditional environment.

Students will also have the opportunity to join the school tour to Japan if they study Japanese.

Assessment

- Katakana writing
- Role Play
- Getting around town
- Diary entries



Contact: Simon Coles

Location:
Sheehan Wing
(first floor)

We also offer year 9 languages as an accelerated course. This course covers the same content as the full-year course in six months, and takes place in semester two. Please see your current language teacher if you are interested in the Fast Track Course (½ year).

Performing Arts Electives

Drama

Course Outline

Year 9 Drama is a practical performance based subject. Students develop approaches to making and responding to drama independently and in small groups. Students will be provided with thematic stimulus material that they will interpret and analyse as well as research further to bring ideas to life onstage. They continue to explore drama as an art form through improvisation, character development, rehearsal and performance.

Assessment

- Practical work
- Performances
- Written analysis tasks

Theatre Studies

Course Outline

Theatre Studies sees the students interpret existing scripts as well as develop self devised work for performance.

The students work in different production areas, not just acting but backstage roles. They explore the practical skills required and design for: costume, set, make-up, hair, sound and lighting.

They analyse and justify their interpretive decision making.

Assessment

- Practical work and presentation
- Design task
- Written analysis tasks



**Performing Arts (Drama)
Electives Contact:**
Jessica Quick

Location:
Robinson Centre



**Performing Arts (Drama)
Electives Contact:**
Eleanor Jones

Location:
Robinson Centre

| | |
|--|--|
| <h3>Music Practical</h3> <p>Course Outline Students will develop their ability to practice and perform music. Our practice space offers opportunities to learn guitar, bass guitar, drums, keyboard and vocals alongside other instruments. In the classroom, students learn about the elements of music and fine tune their listening skills. Students will take a deeper look at the impact of music and will develop an appreciation for how it is used across different cultural contexts.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Rehearse and Perform • Class work and set assignments | <h3>Music Technology</h3> <p>Course Outline Students will be introduced to the fundamentals of music technology. They will look at basic sound editing and mixing concepts using Ableton Live. They will learn how to use a recording interface and a MIDI controller. Students will develop their ability to use technology for composition and music production. Students will also learn about the historical development of technology and practice of electronic music.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Song Mixing • Audio Editing • Record Music |
| <h3>Music Performance</h3> <p>Course Outline Students will improve their ability to play their chosen instrument. Students will learn techniques to enhance their playing skills, as well as performance skills. Music performance is a practical based subject that utilises the prac room but also smaller ensembles if available. Students are encouraged to personalise their learning outside of school by practicing regularly. Students have the opportunity to develop leadership skills and will perform on a regular basis. In the classroom, students will learn about key artists in music history. Students will listen to and interpret a range of music in order to better inform their music making skills.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Rehearse and perform • Class work and set assignments | <h3>VET Certificate II in Music</h3> <p>Description The Certificate II in Music prepares students to perform a range of tasks in the music industry, using practical elements and fundamental operational knowledge in environments that require foundational skills in music performance, music making or composition, sound production or music business. The program is suited to students with an interest in music who are keen to develop their skills as a musician or producer with the aim to perform, use music technology and be involved with live music events.</p> <p>Career Opportunities Career and pathways opportunities may lead to roles such as studio assistant, performer or session musician, entry-level producer, stagehand, songwriter, and road crew member.</p> |



**Performing Arts (Music)
Electives Contact:**
Morgan Colgrave

Location:
Robinson Centre



**Performing Arts (Music)
Electives Contact:**
Ashley Kelman

Location:
Robinson Centre

Science Electives

Food Science

Course Outline

Food Science draws from many disciplines such as biology, chemical engineering, and biochemistry in an attempt to better understand food processes and ultimately improve food products for the general public. Food scientists study the aspects of food that make it appealing - the physical, microbiological, and chemical makeup of food. By applying their findings, they are responsible for developing the safe, nutritious foods and innovative packaging that we see everyday in the supermarket.

Assessment

- Test
- Research investigations
- Assignments
- Practical investigations
- Presenting a visual summary of findings and oral report

Forensic Science

Course Outline

Forensic science is the application of science to criminal and civil law. Forensic scientists collect, preserve, and analyse scientific evidence during the course of an investigation. While some forensic scientists travel to the scene to collect the evidence themselves, others occupy a laboratory role, performing analysis on objects brought to them. In this science elective you will become the scientist and learn techniques and procedures that are used to provide evidence to police to help solve crimes. Criminal investigation has become more advanced as technologies are developed.

Assessment

- Test
- Research investigations
- Assignments
- Practical investigations
- Presenting a visual summary of findings and oral report

Exploring with Science

Course Outline

How is science happening all around us? The Exploring with Science elective is targeted towards students who want to know how science can be used to help solve problems and learn more about our amazing world! During this 1 term elective students will explore a number of areas of science and they will be involved in designing, planning and running their own investigation. For students who want to broaden their scientific horizon, this subject may appeal.

Assessment

- Test
- Research investigations
- Assignments
- Practical investigations
- Presenting a visual summary of findings and oral report



Science Electives Contact:

Steven Pompe

Location:

Amenities Building

Technology Electives

Digital Technology

Coding

Course Outline

This course will engage and introduce students in a variety of coding activities using both block and console features of contemporary applications. Students will explore the different possible coding environments to solve process and computational problems using graphical tools. At the completion of the course students will be able to use common design patterns to implement the common constructs such as sequences, iterations and selections. Finally, students will be expected to demonstrate their coding skills by implementing a sequence of instructions to control a remotely controlled device.

Assessment

- Design Tool Folio
- Coding Project Folio
- Demonstration of code-controlled device

Conquering the Digital World

Course Outline

Students learn to safely and ethically exploit the capacity of information systems to create digital solutions. The aim of this course is to provide students with opportunities to acquire deep knowledge of the nature of data and their representation, and computational skills for interpreting data. Students will be introduced to the use of database, spreadsheet and web development applications. As part of the learning process students will have opportunities to manage and collaboratively create interactive solutions for sharing ideas and information online, taking into account social contexts and legal responsibilities.

Assessment

- Website - Security & Privacy
- Data Exploration - Using Google Forms (Google Forms)
- Online Collaboration - Team Website (IT issue)

Programming

Course Outline

Students will develop skills visualising possible problem solutions and representing these solutions using a variety of standard thinking routines. Students will also have the opportunity to write programming solutions using a variety of programming applications and other devices such as programmatically controlled robots.

Assessment

- Algorithmics Folio
- Coding Test Folio
- Problem Solving Tasks

Strategy Games

Course Outline

This course will engage students in a structured exploration of games and game strategies. Students will be encouraged to explore a range of games/puzzles and how to use visual tools to represent the possible strategies that could be used to select possible paths to the final solution. The course will use manual recording and high level coding language (Python) to aid in the visual representation of the possible solution paths.

Assessment

- Folio of games & puzzles
- Edgy project folio

Digital Technologies Elective Contact:

Ben Hunt

Location:

Amenities Building



Home Economics

World Foods

Course Outline

Enjoy the cuisine of EUROPE without having to leave home! Every week we will cook food from different European countries, so if you like the sound of Dorset apple cake, Italian spaghetti, Spanish pizza then this is the unit for you.

Assessment

- Work requirements follow the design plan process and include satisfactory participation in classes and completion of all bookwork.
- Student's will be assessed on a practical design task completed throughout the term.

Bakers Bounty

Course Outline

In this unit you will learn all the tricks needed to produce good quality and great tasting yeast & pastry products, homemade pasta and baked goods. Items produced include muffins, apricot turnovers, cinnamon scrolls, brownies and Fettuccine Napolitana.

Assessment

- Work requirements follow the design plan process and include satisfactory participation in classes and completion of all bookwork.
- Student's will be assessed on a practical design task completed throughout the term.

Asian Cookery

Course Outline

Do you enjoy stir fries, curries and the occasional oriental sweet treat? Then ASIAN cooking is for you. Every week we will cook food from different Asian countries. Learn how to cook Thai green chicken curry, Malaysian spring rolls, Asian inspired crepes and desserts.

Assessment

- Work requirements follow the design plan process and include satisfactory participation in classes and completion of all bookwork.
- Student's will be assessed on a practical design task completed throughout the term.



Home Economics Elective Contact:
Fiona Finnegan

Location:
Sheehan Wing (first floor)

Wood, Metal & STEM

Knotty Bits Wood Class

Course Outline

The purpose of this course is to allow students to be imaginative and creative with the development and production of a given design concept which could include projects similar to a treasure chest or jewellery box. Students participate in the construction of one major production piece and extension work on completion of the major product which could include further development of the major product or a second product as decided on by both student and teacher relative to time, material and ability.

Assessment

- Investigation
- Generate Designs
- Plan and Management of production
- Production and Final Evaluation

Metal

Course Outline

This subject covers a variety of general metal working techniques, including wrought iron work, sheet metal construction and metal fabrication.

Assessment

- Workbook – which includes all design, theory and evaluation work
- Production pieces

STEM: Engineering Under Pressure

Course Outline

In this course, students will learn to think like engineers. They will apply key scientific concepts such as forces and geometry to consider the characteristics of different buildings & structures to design & build their own structure.

Assessment

- Workbook
- Project identifying the parts, purpose and complexities of an object or system
- Design Folio explaining their ideas and solutions and the process of developing a prototype

STEM: Rocket Wars

Course Outline

In this course, students will learn how to design, build and launch their own solid fuel rocket. They will create a folio scaffolded by the STEM design cycle of Brainstorm, Define, Research, Design and Create. Altimeters are used to track height, acceleration, speed and trajectory. This data is directly blue toothed to the student's iPad giving evidence for reflection and modification of chosen design solutions.

The learning intention of this unit is to build student capacity to think deeply in a multidisciplinary context and apply their knowledge of this new and exciting context.

Assessment

- Workbook
- Project identifying the parts, purpose and complexities of an object or system
- Design Folio explaining their ideas and solutions and the process of developing a prototype

STEM Lighting Design

Course Outline

In this unit students are challenged to think critically and creatively. They will create a folio scaffolded by the STEM design cycle to Brainstorm, Define, Research, Design and Create a design for an innovative lamp which they will build for use in their home.

The learning intention of this unit is to build student capacity to think deeply in a multidisciplinary context and apply their knowledge to a new and exciting context.

Assessment

- Workbook
- Project identifying the parts, purpose and complexities of an object or system
- Design Folio explaining their ideas and solutions and the process of developing a prototype



STEM Elective Contact:
Ben Hunt

Location:
Amenities Building



Wood & Metal Contact:
Peter Every

Location:
Technology Building
(ground floor)

Textiles

| | |
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| <p>Clothing: design and production</p> <p>Course Outline ‘Hoodies and Windcheaters’. This unit focuses on the basic skills required in clothing production. Students will use commercial patterns to produce simple garments of their own choice. Skills covered are pattern adjustment, layout and cut out, shaping, piecing and closure processes. Innovative design technologies will be used to</p> <p>Assessment</p> <ul style="list-style-type: none"> • Design folio to support design activities • Production skills and making process • Evaluation | <p>Interior design and production</p> <p>Course Outline ‘Cushions, Cushions, Cushions’ Design, decorate and produce a series of unique cushions that may include portraits of friends, family or pets. Using traditional embroidery and stitching techniques add colour and texture to create unique, one of a kind home decor elements.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Design folio to support design process activities • Production of, at least, one product over the term • Evaluation |
| <p>Soft toy design and production</p> <p>Course Outline ‘Voodoo dolls, Monsters and Worry Eaters’ are the design and making focus of this Textiles design elective. Students will be encouraged to explore creative and innovative technologies to design and produce a unique range of quirky collectables.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Design folio to support design activities • Production of, at least, one product over the term • Evaluation | <p>Tech Styled Textiles</p> <p>Course Outline Design and create your own unique fashion jewellery pieces using the latest in technology such as laser cutting and etching of fabric, digitised embroidery machines and using CAD software to bring your accessory ideas to life.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Design folio to support production activities • Production of, at least, one product over the term • Evaluation |



Textiles Elective Contact:
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Location:
 Technology Building (ground floor & first floor)