

WHITEBRIDGE HIGH SCHOOL ELECTIVE SUBJECT SELECTION INFORMATION



**YEAR 8
2023**

**LEARNING
RESPECT
RESPONSIBILITY**

YEAR 8 SCHOOL CURRICULUM 2023

Stage 4 Electives

Faculty	Elective Offered	Page
TAS TECHNOLOGICAL AND APPLIED STUDIES	• Industrial Technology – STEM Engineering	3
	• Industrial Technology (Timber/Wood)	3
	• Child Studies – Play	4
	• Food Skills - Let's Bake	5
	• Food Skills - Let's Cook	6
	• Textile Technology – Fun with Fashion	7
PD/H/PE PERSONAL DEVELOPMENT, HEALTH AND PHYSICAL EDUCATION	• Empowering Girls Through Sport	8
	• Football (Soccer)	8
	• Outdoor Recreation	9
CAPA CREATIVE & PERFORMANCE ARTS	• Dance	10
	• Drama	10
	• Music Entertainment	11
	• Ceramics	11
	• Cartooning & Special effects	12
		12
HSIE HUMAN SOCIETY AND ITS ENVIRONMENT	• Japanese	12
SCIENCE	• Forensic Science	13
	• Science and Engineering	14

YEAR 8 SUBJECT CHOICES - 2023

Students in Year 8 in 2023 will study **TWO ELECTIVES**. They will study one elective in **Semester 1 and another in Semester 2**. This will be in addition to the other subject requirements for year 8.

Information about Electives and Selections

1. Students will be asked to select **TWO electives** from the subjects listed in the following pages along with **3 reserves**.
2. One of these electives will be studied in Semester 1 and the other will be studied in Semester 2.
3. There will be 4 periods of the elective each fortnight.
4. Classes are formed on the basis of student interest and school resources such as the number of specialist rooms or available teachers.
5. Once you have made the **final selection of your subject** students will be placed in courses. Students are advised to choose carefully as changes to students electives may not be possible. Students can only change their elective through an application to the relevant Deputy Principal **by the end of Week 3, T1, 2023**.
6. Students and parents are welcome to discuss specific electives and requirements with Head Teachers to ensure that they have an understanding of the subjects before making final elective choices.
7. **SOME ELECTIVES INVOLVE A COST, AND THE SELECTION OF THE SUBJECT SIGNIFIES A WILLINGNESS TO CONTRIBUTE TO THIS EXPENSE**

YEAR 8 – 2023 ELECTIVE LIST AND SUBJECT DESCRIPTION

TAS (TECHNOLOGICAL & APPLIED STUDIES)

INDUSTRIAL TECHNOLOGY – STEM Engineering

Contact Person: Mrs Lassam, HT TAS

The Engineering focus area provides opportunities for students to develop knowledge, understanding and skills in relation to engineering and its associated industries. Students will have the opportunity to develop knowledge and skills in the use of tools, materials and techniques related to Engineering.

In Stage 4 students will use the concepts of science, mathematics, engineering and technology to design a carbon dioxide powered car. They investigate the design process and manipulate numbers to develop a working model.

Students participate as individuals in the design process, building prototypes and in the pretesting stage of their cars.

Lessons are programmed around the concept of friction, mass, force and aerodynamics. Students also discuss variables and the scientific method. Technology lessons focus on design, materials and the construction phase.

Cost: \$60

This contribution will be used to cover material costs for projects including trebuchet and mousetrap cars.

INDUSTRIAL TECHNOLOGY – Mixed Materials

Contact Person: Mrs Lassam, HT TAS

Industrial Technology is suited to both boys and girls and provides the opportunity to engage in a range of creative and practical experiences using technologies available in industrial and domestic settings. The course helps to encourage the enjoyment of learning, to be self motivated and take part in further study.

The major emphasis in the elective is on students actively involved in the planning, development and construction of practical projects. They will be provided with practical experiences using tools and machines to enhance personal satisfaction and develop self confidence. The students will also be allowed to have the opportunity to have input in the design of their finished practical projects.

Throughout the year there will be a wide range of technologies used. They will include metal, timber, electronics, plastics, graphics and Computer Aided Design.

For students to undertake this course they will need to wear footwear acceptable for use in the practical room due to WHS guidelines. That is, hard upper with solid soles.

Cost for the course: \$60

This contribution will be used to cover material costs for projects tool makers clamp, chopping boards and CAD drawing.

CHILD STUDIES – PLAY

Contact Person: Mrs Lassam, HT TAS

Course Description.

Play is an important part of children's learning and development. This course will allow you to compare and create a range of toys and resources for children's play.

You will also participate in a range of play and craft activities suitable for children of different ages and development stages.

What will Students Learn About?

Child Development, including cognitive and motor skill development

Importance of play, including social, emotional and cognitive reasons

Design and participate in play and craft activities that could be used in Early Childhood Centres or voluntary caring roles.

Assess play choices, environments and activities in terms of learning, suitability, sustainability and safety.

Career Relevance/Pathways/Transferable Skills

The knowledge, understanding, skills and values developed through Child Studies provides a foundation for a wide range of study options in and beyond school and also a range of vocational pathways that support and enhance the wellbeing of children. Study of this course will also support students engaged in voluntary caring, supervision and child support roles and in formal work opportunities such as childcare and education.

Cost: Cost is \$20 to cover consumables used in the course

FOOD SKILLS- Let's Bake

Contact Person: Mrs Lassam, HT TAS

Course Description.

Food is an integral part of life and it is important for every person to develop knowledge of food and preparation techniques.

The increasing interest in food preparation, presentation and service is increasing. Students will develop skills in the area of baking and produce quality baked food products. Students will explore the richness, pleasure and variety that food adds to life and how it contributes to life experiences.

What will Students Learn About?

A range of baking techniques

Competent use of kitchen equipment and utensils.

Food Preparation and Presentation- inspired by Master Chef

Major Project

Students will have to design, bake and decorate cup cakes that would be of MasterChef standard. This means that they could be sold in a commercial cake shop.

Directional Benefits

This course is designed to provide practical lifelong skills that will enable the student to achieve in a variety of areas. It is useful in providing a basis for Stage 5 and 6 courses such as Food Technology and Hospitality. It would also be an asset for those students wishing to undertake tertiary study in areas such as Nutrition, Health and Hospitality.

Career Relevance/Pathways/Transferable Skills

Dietician, environmental health officer, food technologist, nurse, nutritionist, sports scientist, baker, bar attendant, barista, butcher, café or restaurant manager, catering manager, chef, conference and event organiser, pastry chef.

Contributions and Safety and Hygiene Requirements

Fully enclosed black leather shoes. This is a Work Health and Safety requirement.

White apron and cap which is available from the front office to purchase.

Cost: \$60

This contribution will be used to cover consumable costs for practical cooking sessions.

FOOD SKILLS- Let's Cook

Contact Person: Mrs Lassam, HT TAS

Food is an integral part of life and it is important for every person to develop knowledge of food and preparation techniques.

The increasing interest in food preparation, presentation and service is increasing. Students will develop skills that can be applied in a range of different contexts enabling them to produce quality food products. Students will explore the richness, pleasure and variety that food adds to life and how it contributes to life experiences.

What will Students Learn About?

- A range of cooking methods
- Competent use of a kitchen equipment, utensils and knife skills.
- Food Preparation and Presentation- inspired by Master Chef program

Directional Benefits

This course is designed to provide practical lifelong skills that will enable the student to achieve in a variety of areas. It is useful in providing a basis for Stage 5 and 6 courses such as Food Technology and Hospitality. It would also be an asset for those students wishing to undertake tertiary study in areas such as Nutrition, Health and Hospitality.

Career Relevance/Pathways/Transferable Skills

Dietician, environmental health officer, food technologist, nurse, nutritionist, sports scientist, baker, bar attendant, barista, butcher, café or restaurant manager, catering manager, chef, conference and event organiser, pastry chef.

Contributions and Safety and Hygiene Requirements

- Fully enclosed black leather shoes. This is a Work Health and Safety requirement.
- White apron and cap which is available from the front office to purchase.

Cost: \$60

This contribution will be used to cover consumable costs for practical cooking sessions.

TEXTILE TECHNOLOGY – Fun with Fashion

Contact Person: Mrs Lassam, HT TAS

Course Description.

This course involves designing and making fashionable clothing and accessories. Students will study design and colour and apply this to their own projects. Students will design items that reflect their strengths and personality.

What will Students Learn About?

Current fashion trends

Producing/making accessories such as bags, pillows, fashion accessories

Fashion drawing skills

Garment construction for example pyjamas and or skirt/shorts.

Introduction to commercial patterns and their role in clothing manufacture.

Course Costs and Safety requirements

Cost is to cover consumables used in the course. Students will be expected to purchase fabrics and related equipment for major projects.

Career Relevance/Pathways/Transferable Skills

Students interested in design, fashion, interior design or styling would all benefit from studying Textiles and Design. This subject continues into Stage 5 and Stage 6 Textiles and Design.

Cost: \$50

This contribution will be used to cover fabrics, notions, and consumables for projects created.

EMPOWERING GIRLS THROUGH SPORT

Contact Person: Mr Harradine, HT PDHPE

This course is designed for those students with a genuine interest in a physical activity.

The course is being offered as a school course to give girls the opportunity to involve themselves in activities such as **AFL, Netball and Football (Soccer)**. The course is designed to supplement and enrich the students' core, practically based, Physical Education program by:

1. Providing students with the opportunity to appreciate the importance of exercise, the role of sport in society and their relationships to human movement.
2. Encouraging students towards lifelong participation in sporting, recreational, social and leisure time activities.

It is expected from this course, that students will develop an interest and understanding of human performance, physical capability and physical activity. This is an introductory course to Physical Activity and Sport Studies in Years 9 and 10. As this course is primarily practical based, sports uniforms must be worn for these lessons. This **may** necessitate purchase of an extra set **or** organisation on behalf of the student to ensure they have the correct equipment.

Cost: Nil

FOOTBALL (Soccer)

Contact Person: Mr Harradine, HT PDHPE

This course is designed for those students with a genuine interest in a physical activity.

The course is being offered as a school course to give these students the opportunity to involve themselves in Football including skill development, small sided and full size games, coaching and refereeing. Students may have the opportunity to attain a refereeing credential. The course is designed to supplement and enrich the students core, practically based, Physical Education program by:

- 1 Providing students with the opportunity to appreciate the importance of exercise, the role of sport in society and their relationships to human movement.
- 2 Encouraging students towards lifelong participation in sporting, recreational, social and leisure time activities.

It is expected from this course, that students will develop an interest and understanding of human performance, physical capability and physical activity. This is an introductory course to Physical Activity and Sport Studies in Years 9 and 10. As this course is primarily practical based, sports uniforms must be worn for these lessons. This **may** necessitate purchase of an extra set **or** organisation on behalf of the student to ensure they have the correct equipment.

Cost: Nil

OUTDOOR RECREATION Semester 1 or* Semester 2

Contact Person: Mr Harradine, HT PDHPE

This course is designed for those students with a genuine interest in a physical activity and the human body.

The course is being offered as a school course to give these students the opportunity to study Physical Education and Sport in greater depth. "Outdoor Recreation" is designed to supplement and enrich the students core, practically based, Physical Education program by:

1. Providing students with the opportunity to appreciate the importance of exercise, the role of sport in society and their relationships to human movement.
2. Encouraging students towards lifelong participation in sporting, recreational, social and leisure time activities.

It is expected from this course, that students will develop an interest and understanding of human performance, physical capability and physical activity. This is an introductory course to Physical Activity and Sport Studies in Years 9 and 10. As this course is primarily practical based, sports uniforms must be worn for these lessons. This **may** necessitate purchase of an extra set **or** organisation on behalf of the student to ensure they have the correct equipment.

The course is divided into units of study as follows:

- A. Practical games- students will experience a range of physical activities. Study will incorporate the rules, strategies and tactics that can be employed to achieve success.
- B. Bike safety and Bike Camp- students will study how they can ride their bike safely, they will go on rides along the Fernleigh Track and go on a 3 day camp "Tour de Clarence Town" in term 4.

****This course can be studied as either Semester 1 or Semester 2. Students will still have the opportunity to attend the 3 day camp regardless of whether it is studied as a Semester 1 or a Semester 2 elective***

Cost: \$10 Bike Consumables plus camp costs.

DANCE

Contact Person: Miss Dominique Woloschyn, HT CAPA

The dance elective is an excellent way to become involved in the performing arts within our school environment. Lessons are structured for students with or without dance experience. All ability levels are catered for.

Students will have the opportunity to:

- Develop their skill in a variety of dance styles including jazz, hip hop and contemporary. Class dance works are developed in a fun, energetic and creative environment.
- Perform throughout the year at **Star Struck, Hunter Dance Festival, MADD night, WHS Creative Revue in Term 2 and 4, and Stage Assemblies.**
- Create their own dance works individually or in groups. These lessons cater to the creativity of each student and allows them to develop their own movements, sequence them and eventually compose dances.

Cost: \$20

DRAMA

Contact Person: Miss Dominique Woloschyn, HT CAPA

Do you like to use your imagination, enjoy performing and working with others?

The Year 8 Drama course is designed to develop acting skills for live performance and production. This course also promotes self-confidence and encourages students to explore ideas, issues and the world around them.

Throughout this course, students will develop knowledge and understanding of:

- making drama that explores a range of imagined and created situations in a collaborative drama and theatre environment
- performing devised and scripted drama using a variety of performance techniques, dramatic forms and theatrical conventions to engage an audience
- appreciating the meaning and function of drama and theatre in reflecting the human experience.

Students will have the opportunity to attend performances and workshops throughout the semester to further develop their performance skills.

Cost: \$20

MUSIC PERFORMANCE

Contact Person: Miss Dominique Woloschyn, HT CAPA

The Music Performance course is designed for students who wish to further their studies on their chosen instrument (including voice). Students will develop skills in reading notation, performing as a soloist and as a member of an ensemble with the aim of performing live music both within the classroom and school community. As this course builds upon the mandatory Stage 4 course, no prior knowledge or private tuition is required, and should be selected by students who have a passion for performance and improving their musicianship.

Cost: \$15

CERAMICS

Contact Person: Miss Dominique Woloschyn, HT CAPA

This practical course is for students who like to design and build things out of clay. You will develop a range of technical skills then stretch your imagination to design functional and sculptural artwork.

In this course, you will have the opportunity to:

- Develop skills in slab and coil construction
- Create large artworks in clay
- Create textured and patterned ceramic surfaces
- Explore oxides, glazes and other ways of colouring clay surfaces
- Learn about artists who work with clay in Australia and Internationally

Cost: \$40

STREET ART

Contact Person: Miss Dominique Woloschyn, HT CAPA

This practical creative course explores graffiti and street art. Students will investigate examples of contemporary art in public spaces looking at local and international artists who use words and images to convey messages.

In this course, you will have the opportunity to:

- Develop a design on a skateboard deck that defines your personality and interests.
- Improve art making techniques such as painting, stencilling and lettering/signage.
- Use mixed media to create striking mural works, painted boards and sticker designs.
- Produce exciting designs inspired by graffiti art for urban items such as clothing and shoes.
- Explore themes and issues involved with public art and discover how other artists have expressed their ideas including Banksy.

Cost: \$40

LANGUAGES

JAPANESE

Contact Person: Mrs Nunn, HT HSIE

Japanese is a practical and fun subject choice. Japan is one of Australia's major trading partners and Australia has a very strong relationship with Japan. In addition, Australia is a very popular destination for Japanese tourists and many Australians travel to Japan for business or leisure. The ability to communicate in Japanese, together with other skills, can enhance job opportunities in many areas such as trade, tourism, diplomacy, banking, retail, technology and education.

In Year 8 Japanese you will develop your reading, writing, speaking and listening skills through the study of a series of interesting topics including travel, food, technology, housing, neighbourhoods and festivals.

You will learn about sumo, pachinko, anime, manga, Harajuku, samurai, robots and more. You will do many different activities such as:

Prepare a Japanese meal
Create your own manga and anime
Celebrate Japanese festivals
Take a virtual trip to Japan
Play Japanese computer games

You will use digital media to do podcasts, presentations and your very own Japanese speaking avatar. You will learn how to type in Japanese script too.

Learning Japanese will be useful AND fun!

Cost: \$40

SCIENCE

FORENSIC SCIENCE

Contact Person: Mr Steven Edwards

Welcome to the amazing and magical world of forensic science. It's an ever exciting and changing field - new technology is popping up faster than we can keep track! But in a way that's good news, because new types of crimes are popping up everywhere too. Students will learn how the field developed and investigate some of the techniques used.

Students who enjoy watching CSI and NCIS Crime investigation TV shows will thoroughly enjoy this elective course. Forensic Science is an exciting and interactive course where observation and deductive reasoning combine with the science that students are learning in the laboratory, to solve crimes in the real world. Students will take a journey into the world of the Forensic Scientist and learn how Forensic Science helps the Police to solve crimes every day. They will discover how forensic evidence is gathered, how it is analysed and how the results of these analyses are compiled to provide detailed picture of the events leading up to a crime. As part of this course, students will also take part in a Forensic Science Workshop run by real Forensic Scientists. Students are required to wear firm leather upper shoes if they wish to study this course.

In this subject, students will discover:

- the importance of observation and deductive reasoning in interpreting results of forensic tests
- how microscopy is used in the identification and origin of hair and fibre samples
- the use of fingerprinting, footprints and chromatography in forensic investigations
- how to check or verify forgery
- DNA profiling and how this is used to identify and link suspects to the crime scene

Students will investigate areas such as:

- Crime scene and eyewitness basics
- Physical evidence
- Fingerprinting
- Impression evidence
- Hairs and fibres
- Chromatography
- Blood analysis
- DNA analysis
- Accident reconstruction analysing collisions
- And finish with a Crime Scene Investigation adventure using their skills.

Cost: \$20

SCIENCE & ENGINEERING

Contact Person: Mr Steven Edwards

Science & Engineering is a project-based subject that highlights the growing needs of 21st century skills. The subject is based on the four disciplines of science, technology, engineering, and mathematics. This interdisciplinary and applied approach will allow students to show their creativity and thinking skills in a practical environment based on real-world applications.

The course involves 4 x 5week projects based around each of the science disciplines.

Project 1 - Bridge Building

- **Science-** Physics, experiment measuring the forces supported by each style
- **Technology** – Digital poster to present research
- **Engineering** – Research bridge types
- **Art** – drawings/photography of bridge types
- **Mathematics** – calculations of force in Newtons

Project 2- Bionics

- **Science** - Biology, skeletal and muscular system, experiment to investigate which design can pick up the largest mass (tennis ball size)
- **Technology** – Video advertisement to ‘sell’ bionic hand design
- **Engineering** – Design and build a working model of a bionic hand
- **Art** – sketches of prototypes
- **Mathematics** – Dimensions of hand and strength to be in advertisement

Project 3 – Atoms

- **Science** – Chemistry, research structure of an atom and radioactivity
- **Technology** – Digital 3D model of chosen atom
- **Engineering** – Build a 3D model of an atom
- **Art** – 3D model of atom
- **Mathematics** – Measurement and graphing of radioactivity

Project 4 - Student Choice: Students can spend 5 weeks investigating an area of their choice.

Requirements: Must involve a research component (secondary or primary) and a model

- Cover each of the STEAM areas
- Presented as a portfolio

Cost: \$20

YEAR 8 ELECTIVE CHOICES 2023

- You will have to make **FIVE** choices for your electives for next year. You will only study **TWO** electives over the year but we may need to use your reserves if you miss out of your first choices. Your selections must be in order of your preference.
- The sheet below can be used as a **planning sheet only**. The actual selections will be made online. Place a **1** (first choice), **2** (second choice), **3** (third choice), **4** (fourth choice) or a **5** (fifth choice) next to the subjects to indicate your preference.
- It is very important that you choose carefully for all 5 choices as you may get any of these choices to study in 2023.
- If there are insufficient numbers, the class will not be timetabled and those who choose that class will be allocated their next choice. There is no guarantee that you will get your 1st or 2nd choice.
- If demand for a course exceeds the number of classes possible, class allocation will be made on the order of priority given, late returns may miss popular subjects. All selections made by the due date will be treated equally.
- **Remember that some subjects have costs associated with them.**
- Once you have submitted your selections and enrolled in the classes formed at the school, you cannot make changes other than by **application to the relevant Deputy by Friday Week 3, Term 1.**

SUBJECT	FACULTY	COST (DUE T1, 2019)	SELECTION (1, 2, 3, 4 or 5) PLANNING ONLY
Industrial Technology - STEM	TAS	\$60	
Industrial Technology – Mixed Materials	TAS	\$60	
Child Studies- Play	TAS	\$20	
Food Skills – Let’s Bake	TAS	\$60	
Food Skills – Let’s Cook	TAS	\$60	
Textile Technology- Fun with Fashion	TAS	\$50	
Empowering Girls through Sport	PDHPE	Nil	
Football (Soccer)	PDHPE	Nil	
Outdoor Recreation Semester 1	PDHPE	\$10	
Outdoor Recreation Semester 2	PDHPE	\$10	
Dance	CAPA	\$20	
Drama	CAPA	\$20	
Music Entertainment	CAPA	\$15	
Ceramics	CAPA	\$40	
Street Art	CAPA	\$40	
Japanese	HSIE	\$40	
Forensic Science	Science	\$20	
Science & Engineering	Science	\$20	

Please complete your selections online by Monday 29 August. Details on how to complete this online form will be emailed to you.

Remember unless a sufficient number of students select a subject, a class cannot be formed, and students choosing that subject will be allocated their selections in the order of their preference.