



# HUNTER SPORTS HIGH SCHOOL

## CURRICULUM STAGE 5

SUBJECT CHOICES FOR

YEAR 9 – 2024

YEAR 10 - 2024

PERSONALISING  
PATHWAYS



## MESSAGE TO PARENTS AND STUDENTS

At Hunter Sports High School our vision for learning is to ignite curiosity, spark passions and inspire lifelong learning. Students in Stage 5 (Year 9 and 10) will be able to select electives each year. By combining Year 9 and 10 into Stage 5 elective classes it allows for greater student choice in subjects and greater flexibility in elective pathways for improved student engagement and learning outcomes.

Many elective courses are listed in this booklet, and it is essential to understand that a course will only run if sufficient numbers of students choose that course.

A situation may arise where too many students choose a course but there are not sufficient numbers to create a second class. In this case the students who submit their courses late will be placed in a class taken from their reserve choices.

Many courses have fees that cover the cost of materials and we have attempted to keep fees to a minimum.

It is important to consider course fees and your ability to pay them when choosing your courses, as it is essential that these fees are paid early in the year.

When choosing electives, it is crucial to consider:

- Abilities and talents
- Interests
- Career aspirations

This is a very personal choice and students are advised to ignore outside pressure when selecting a particular course.

If you have any questions about specific courses please consult the Head Teacher or course co-ordinator concerned.



Ms Rachel Byrne  
Principal



## INTRODUCTION

Students entering Year 9 or 10 can look forward to interesting and challenging choices in their education.

Students entering Year 10 are working towards achieving their Record of School Achievement (ROSA) for Stage 5. Successful completion of this certificate is required prior to enrolling in the Higher School Certificate (HSC).

All courses are divided into two groups: **Compulsory** courses and **Elective** courses.

## COMPULSORY COURSES

All students study the following courses:

English  
Mathematics (5.3, 5.2, 5.1, Maths in Trades)  
Science  
Geography  
Personal Development, Health & Physical Education

## ELECTIVE COURSES

Students will study three (3) elective courses each year across Stage 5, in Years 9 and 10.

All students are to select six (6) electives in order of preference, numbering them 1 to 6.

NOTE: Sports Academy students will have their sports program as their 1<sup>st</sup> preference.

Students must choose their electives very carefully and ensure their choices are prioritised.

## WHY ELECTIVE COURSES ARE IMPORTANT

Studying subjects that students like and capture their interest adds to the enjoyment of a student's school experience. Everyone is good at something. Doing subjects that students are good at allows them to further develop their skills and knowledge.

The subjects students choose at school can support the type of career they may pursue. However, please note that students are eligible for all subjects in Stage 6, regardless of the electives they study in Stage 5.

## HOW DO YOU DECIDE?

Make time to consider the choices.

Find out:

- What subject choices are available?
- What subject will be interesting?
- What subject will be enjoyable and have been successful in the past?

### NEEDING HELP?

WHO	HOW
Subject Teachers	Can give you feedback on the skills and subjects they believe you are good at.
Careers Advisor	Can help you identify a career path and provide information about which subjects are useful for particular careers.
Year Advisor Deputy Principals HT Admin (students)	Can help by talking over your ideas and addressing any concerns you may have.
Your Parents and carers	They want the best for you. If you have differing ideas, or if they'd like more information, please encourage them to contact the school.
You	Research, seek help from the right people and be confident about your decisions.

### Things to consider

Students need to consider their:	
Ability	Choose subjects they are good at
Interest	Choose subjects in which they are interested
Motivation	Choose subjects they really want to learn
Challenge	Choose subjects that will challenge and through which they will grow as a person

### TYPES OF COURSES OFFERED

NESA
Course content developed by NESA; recorded on the ROSA
School Developed
Course content developed by Hunter Sports High School to meet student interest; not recorded on ROSA

## COURSES OFFERED

NESA COURSES	Fee	SCHOOL DEVELOPED COURSES	Fee
Aboriginal Studies	nil	Metal Fabrication	\$80
Law and Money	nil	Decorative Timber Products	\$80
Mysteries and Conspiracies	nil	Furniture Design	\$80
Running a Business & Employment	nil	Outdoor Furniture Design	\$80
Understanding the World	nil	Surviving the Marine Environment	\$30
Creative Writing	nil	Working in the Marine Environment	\$30
Defining the Unknown	nil	Design and Engineering in Sport	\$80
Drama	nil	Music Performance	\$40
Japanese	\$10	Experimenting with Music	\$40
Question Everything	nil	Exploring Art Mediums	\$50
Forensics	nil	Investigating Visual Art	\$50
I want to be a Designer	\$80	Physical Activity & Sports Studies (PASS)-High Performance Option	TBA
Play on Fashion	\$60	Physical Activity & Sports Studies-Rugby League	TBA
Food - Past Present Future	\$120	Physical Activity & Sports Studies (PASS)-General Option	TBA
The Business of Food	\$120	Working in Sport	TBA
Sweet Designs	\$120	Girls make Your Move	TBA
Information & Software Technology	\$100	Child Studies	TBA
Metal Machining	\$80	Outdoor Recreation	TBA

# ELECTIVE COURSES

## Aboriginal Studies

Aboriginal Studies gives you the opportunity to develop knowledge and understanding of Aboriginal Peoples, histories and cultures. It is designed to be inclusive and of value to Aboriginal and/or Torres Strait Islander students and non-Aboriginal students.

You will learn about the historical and contemporary experiences of Aboriginal Peoples. As a result, you can become an active and informed advocate for a fair, just and inclusive world.

In Aboriginal Studies you will undertake a range of learning opportunities and will study topics that focus on

- Aboriginal Peoples' and Torres Strait Islander Peoples' identities and cultures
- The Stolen Generations
- Aboriginal art
- Aboriginal artists and musicians
- Film and television
- Aboriginal athletes and sport

Aboriginal Studies will help prepare you for the following Year 11 and 12 courses:

- Legal Studies
- Geography
- Aboriginal Studies
- Modern History



**FEES:** Nil.

**REQUIREMENTS:** BYOD

**CONTACT:** Mr. Harrison – Head Teacher HSIE

## Law and Money

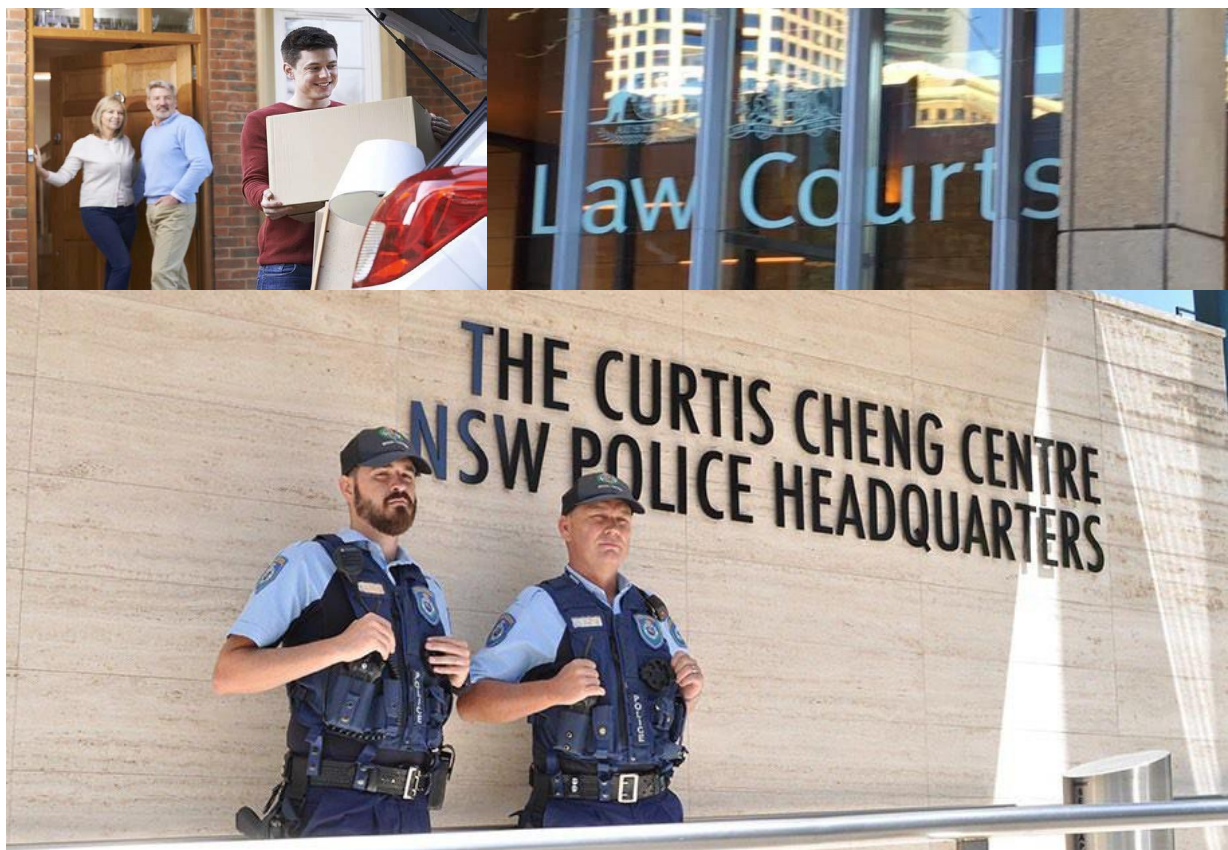
Law and Money, provides you with the knowledge, understanding and skills to make sound decisions about what you buy now and in the future, how to manage your money, how the legal system works and the rights of those who come in to contact with the law.

In Law and Money, you will undertake a range of learning opportunities and will study topics that focus on

- Laws and the legal system
- Investing money
- Making major purchases and moving from home

Law and Money will help prepare you for the following Year 11 and 12 Courses:

- Legal Studies
- Business Studies



<b>FEES:</b>	Nil.
<b>REQUIREMENTS:</b>	BYOD
<b>CONTACT:</b>	Mr. Harrison – Head Teacher HSIE

## Mysteries and conspiracies

Mysteries and conspiracies provide you with opportunities to explore human actions and achievements. Studying Mysteries and Conspiracies is much more than the simple presentation of facts and dates from the past. You will develop the skills to answer the question 'How do we know?'. The study of Mysteries and Conspiracies allows you to investigate the actions, motives and lifestyles of people over time. It introduces the idea that the past contains many stories and that there is never only one uncontested version.

In Mystery and Conspiracies, you will undertake a range of learning opportunities, study societies from around the world and study topics that focus on

- Film and movies as history
- Historical fiction
- Heroes and villains
- Sport and history
- Crime and punishment
- Myths and legends
- War and peace

Mysteries and Conspiracies will help prepare you for the following Year 11 and 12 courses:

- Aboriginal Studies
- Modern History
- Ancient History



**FEES:**

Nil.

**REQUIREMENTS:**

BYOD

**CONTACT:**

Mr Scully or Mr. Harrison – Head Teacher HSIE



## Running a Business and Employment

Running a Business and Employment provides you with the knowledge and understanding to start and run a business. You will also investigate how successful businesses operate and investigate the rights you have in the workplace.

In Running a Business and Employment you will undertake a range of learning opportunities and will study topics that focus on

- Business, business people and entrepreneurs
- Jobs and employment issues you may face
- Running a business

Running a Business and Employment will help prepare you for the following Year 11 and 12 Courses:

- Legal Studies
- Business Studies



<b>FEES:</b>	Nil
<b>REQUIREMENTS:</b>	BYOD
<b>CONTACT:</b>	Miss Bryant or Mr Harrison

## Understanding the World

Understanding the World gives you the opportunity to explore your interest with the world. It is the study of places and the relationships between people and their environments. You will be encouraged to question why the world is the way it is, reflect on your responsibilities for the world and propose actions to shape a sustainable future.

In Understanding the World you will undertake a range of learning opportunities and will study topics that focus on

- Volcanoes and earthquakes
- Weather and major weather events
- The importance of the world's oceans
- Global environmental changes

Understanding the World will help prepare you for the following Year 11 and 12 courses:

- Geography
- Legal Studies
- Business Studies

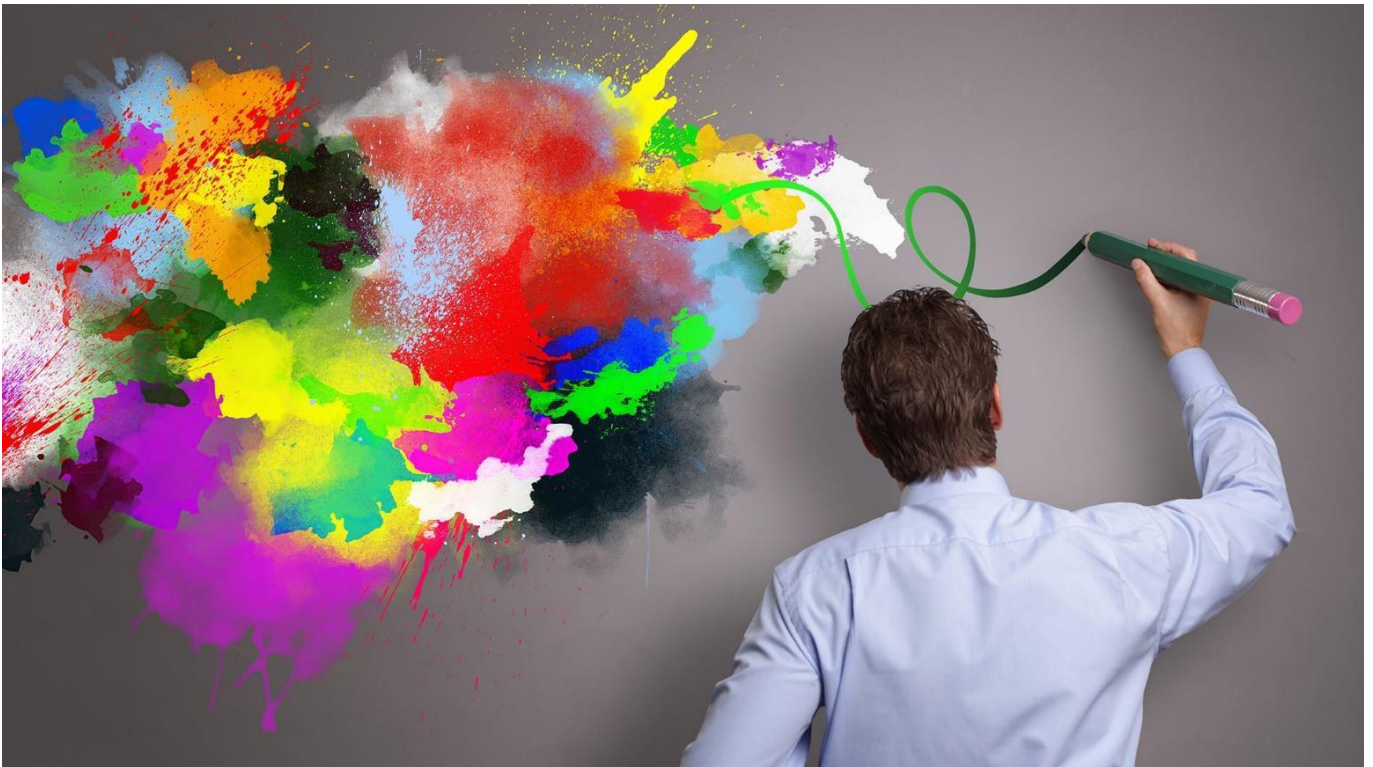


<b>FEES:</b>	Nil.
<b>REQUIREMENTS:</b>	BYOD
<b>CONTACT:</b>	Mr. Harrison – Head Teacher HSIE

## Creative Writing

The study of Creative Writing involves students reading, writing, crafting, and sharing imaginative bodies of work. Anyone who enjoys reading a variety of texts and writing in all types of forms will enjoy Creative Writing. From the hottest young-adult fiction, students will explore effective text openings and advanced techniques in composing original creative responses. Students studying Creative Writing will have the opportunity to submit their polished compositions into writing competitions, and may attend an excursion such as the Sydney Writer's Festival.

**ASSESSMENT:** Class participation, workshops, reflective writing and creative submissions.



<b>FEES:</b>	<b>NIL</b>
<b>REQUIREMENTS:</b>	<b>Suitable BYOD (laptop)</b>
<b>CONTACT</b>	<b>Ms. Crossland (English Head Teacher)</b>

## Defining the Unknown

The purpose of the course is to introduce students to different areas of mathematics that they would not otherwise encounter or experience, and to assist students in seeing and appreciating the ubiquity of mathematics in the universe. This course assists in developing mathematical thought and skills that will be valuable for the Advanced and Extension Mathematics Pathways in Stage 6.

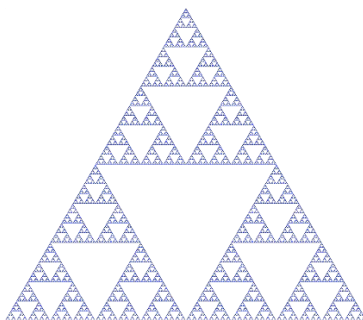
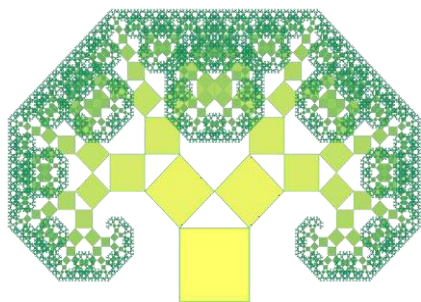
This is an enrichment course that emphasises branches of mathematics that are seldom explored in traditional courses.

In this course students have the opportunity to explore

- Beauty and Mathematics
- Fractals: The Mathematics of Self- Similarity
- Set Theory: The Families of Mathematics
- Drawing Boundaries and Pushing on Them: Definitions and Undefinables
- Matrices: The Workhorses of Mathematics
- Cryptography: The Mathematics of Secrecy
- Paradoxes: When Mathematics Doesn't Make Sense
- Play: The Mathematics Behind Games

This course is unlike regular mathematics classes in terms of learning activities and the concepts explored. Instead an emphasis is placed on branches of mathematics that are not understood through repetitive exercises, nor assessed in traditional examination formats. Students will have the opportunity to create artworks using mathematics, work collaboratively in groups to produce videos, participate in a variety of hands on class activities and choose other areas in mathematic to explore.

This elective option is a 1-year course for either 9/10 students.



<b>FEES:</b>	NIL
<b>REQUIREMENTS:</b>	NIL
<b>CONTACT:</b>	Miss Kelly (Mathematics Teacher)

## Drama

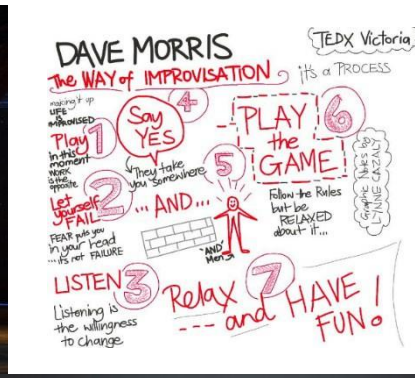
The study of Drama involves opportunities for students to participate in Making, Performing and Appreciating drama and theatre. Students engage with these components through collaborative and individual experiences.

Study includes: Improvisation games and activities, group performance and Play-building, Elements of Production - set, lighting and sound, monologues, theatre analysis and viewing.

Through a range of practical and theoretical activities, students will recognise the collaborative nature of drama, develop communication techniques and problem-solving skills. Students will have the opportunity to engage in a variety of performance activities both within the school and the wider community. Attendance at live theatre and community performances will also be encouraged.

Drama encourages self-confidence, collaboration, practical approaches to sophisticated concepts and a supportive and fun environment to explore your creativity!

ASSESSMENT: Class participation, workshops, performances, reflective writing and creative design submissions.



<b>FEES:</b>	NIL
<b>REQUIREMENTS:</b>	Suitable BYOD (laptop)
<b>CONTACT</b>	Ms Crossland (Head Teacher English)

## Japanese

The study of Japanese contributes to the overall education of students, particularly in the areas of communication, cross-cultural understanding, literacy and general knowledge.

Students can gain access to both the language and the rich cultural traditions of Japan, as well as an understanding of different attitudes and values within the wider Australian community and beyond.

Students will have an opportunity to:

- Learn to speak, read, write and listen to Japanese through interesting units including Survivor Japan, Robots, The Amazing Race, Food Glorious Food, Theme Parks, Folktales, Ninja, Samurai, Hiragana Belts, Olympics 2020, Funky Fashion, J-pop and more.
- Read and write in hiragana, katakana and kanji
- Produce spoken texts in familiar situations
- Understand spoken Japanese on podcasts, movies and YouTube clips
- Demonstrate knowledge and appreciation of various aspects of Japanese culture

Learning experiences may include:

- Cooking your own Japanese meal
- Celebrating Japanese festivals
- Using Virtual Reality
- Creating your own manga and anime
- Appreciating Japanese movies
- Opportunities to engage with Japanese schools and students



**FEES:** \$ 10.00

**REQUIREMENTS:** Exercise Book

**CONTACT:** Ms Hewitt - Japanese Teacher /Ms Crossland - Head Teacher

## Question Everything

This elective course is designed for students who are interested in the big questions. In a world full of information – not all of it true - future thinkers will need to be able to research and evaluate sources, recognise bias and manipulation as well as understand how their own thinking can influence their interpretation of truth.

Through this course, students will explore:

- theories of thinking including thinking styles and puzzle-solving
- barriers to critical thinking including types of bias and fallacy
- “truth”, argument and evidence through research into a topic of personal interest.

Topics covered include:

- Predicting the future: How certain can we be?
- Conspiracy theories: Where are the facts?
- Strategies and innovations in sports: The path to victory
- Recreating the human mind: The future of artificial intelligence (AI)
- Advertising: Have they got your attention?

Students will be assessed through an e-portfolio and self-reflection and will be expected to take leadership on topics which are of interest to them, leading class discussions and small group tasks.



**FEES:**

Nil.

**REQUIREMENTS:**

BYOD

**CONTACT:**

Ms. Crossland (English Head Teacher)

Ms. Hamilton (Teacher Librarian)

## Forensics

This course gives students an academically rigorous introduction into the role of a forensic scientist. It will appeal to students with an interest in crime and environmental investigations. The course draws on all aspects of science in a practical and applied way.

In this course students can explore:

- How to trace the origins of evidence at a crime scene
- The importance and use of DNA evidence
- How to analyse organic material
- How mystery chemicals can be identified
- Ethical issues associated with forensic investigations
- How evidence needs to be handled
- How a chain of custody is used in managing evidence

This course will be a combination of theory, practical activities and stimulating discussion. Students will have an opportunity to contribute to the areas studied and take the lead in their learning.



<b>FEES:</b>	<b>NIL</b>
<b>REQUIREMENTS:</b>	<b>NIL</b>
<b>CONTACT:</b>	<b>Mr Handley (Head Teacher Science)</b>



## I Want to Be a Designer

I Want to Be a Designer (Design and Technology RoSA course) is delivered through units of work that integrate core content with project work in the creation and documentation of designed solutions. During the study of each unit students are required to undertake practical activities designed to refine and enhance student knowledge, understanding and skills. Units of work are developed to meet student needs and interests.

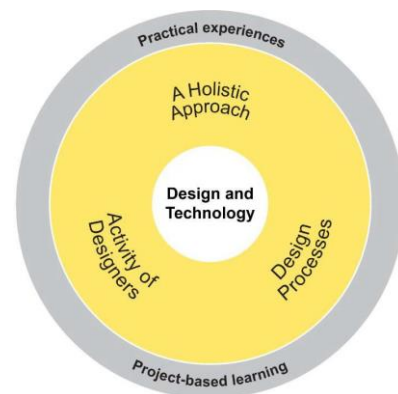
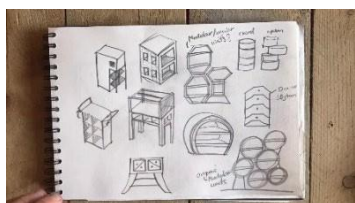
Each unit of work must align with one of the context areas and explore a focus area of design. Students undertake a range of learning opportunities in the following modules:

### Core Modules Covered

- A Holistic Approach
- Design Processes
- Activity of Designers
- PRACTICAL PROJECTS & EXPERIENCES

Practical projects and experience in the following context areas

- Digital Technologies Engineered Systems Food Technologies
- Information and Communication Technologies
- Material Technologies



### FEES:

**\$80.00**

### REQUIREMENTS:

**Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.  
Suitable BYOD (laptop)**

### CONTACT:

**Mrs. Hines (TAS Head Teacher)**

## Play on Fashion

"Play on Fashion" is a new Stage 5 school developed course that focuses on developing students' skills in critical thinking, problem solving, and creative expression. This course is designed for students who are new to the field of textiles and fashion and have little or no prior experience in textile technology.

Students will learn the basics of textile design, including patternmaking, garment construction, and fabric manipulation techniques. They will also learn about the properties of different textiles and how to select the appropriate materials for specific design projects.

In addition, the course will introduce students to the principles of design thinking, encouraging them to engage in ideation, prototyping, and testing of their designs. They will learn to use basic digital design tools, such as sketching and drafting software, and experiment with various techniques for embellishing their creations, such as painting, stencilling and Laser cutter.

Throughout the course, students will be encouraged to reflect on their own personal styles and interests and develop their own unique fashion designs. They will also have the opportunity to showcase their work and receive feedback from peers and industry professionals.

Overall, "Play on Fashion" is an engaging and supportive course that will inspire students to explore their creativity.

### Modules covered

- Let's start - sewing basics
- Upcycling with Style: creating a Tote Bag from recycled denim jeans
- Stitching Comfort: creating boxer shorts and singlet top

**FEES:****\$60.00****REQUIREMENTS:**

Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.  
Suitable BYOD (laptop)

**CONTACT:****Mrs. Hines (TAS Head Teacher)**

## Food – Past Present Future

Food – Past Present Future is a Stage 5 course based on the Food Technology syllabus for students who have little or no experience in food preparation. The course is designed to be practical, with students learning hands-on skills such as food preparation, cooking techniques, and food safety.

Students will also develop their research and analytical skills by investigating food-related issues and examining the nutritional content of food. By the end of the course, students will have a comprehensive understanding of food as a cultural, social, and economic phenomenon.

The course focuses on exploring the history, culture, and evolution of food, as well as examining the current issues and trends in the food industry. They will explore the different food traditions of various cultures and the impact of technological advances on food production and consumption. The course will also investigate contemporary food issues, such as food sustainability, food security, and ethical food choices. Students will develop an understanding of the role of food in society and its impact on human health and the environment.

Students will be equipped with the skills needed to pursue further studies in Stage 5 and 6 Food Technology courses.

### Modules covered

- Food in Australia
- Food Equity
- Food Product Development
- Food Selection and Health



### FEES:

**\$120.00**

### REQUIREMENTS:

**Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.  
Suitable BYOD (laptop)**

### CONTACT:

**Mrs. Hines (TAS Head Teacher)**

## The Business of Food

The Business of Food is a Stage 5 course based on the Food Technology syllabus for students who have completed their first 100 hours of food experience and are wanting to extend their knowledge and skills. The course is designed to be practical, with students learning hands-on skills such as food preparation, cooking techniques, and food safety. The course will provide students with practical skills, including recipe development, product testing, and sensory evaluation.

Students will also have the opportunity to develop their entrepreneurial skills by creating their own food products, developing marketing strategies, and presenting their food products to customers. This course focuses on the business aspects of food, including the production, distribution, marketing, and consumption of food products.

Throughout the course, students will explore the principles of food production, including the use of technology and sustainable practices. They will also examine the roles and responsibilities of food businesses, including food safety regulations, ethical considerations, and consumer rights. They will also gain an understanding of the factors that influence food choices, such as cultural, social, and economic factors.

By the end of the course, students will have gained a comprehensive understanding of the business of food and the various factors that influence food production, distribution, and consumption.

They will be equipped with the knowledge and skills needed to pursue further studies in Stage 6 Food Technology or to embark on a career in the food industry.

### Modules covered

- Food Service and Catering
- Food for Specific Needs
- Food for Special Occasions
- Food Trends



### FEES:

**\$120.00**

### REQUIREMENTS:

Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.

Suitable BYOD (laptop)

### CONTACT:

Mrs. Hines (TAS Head Teacher)

## Sweet Designs

“Sweet Designs” is a new Stage 5 school developed course that focuses on developing students' skills in baking, pastry-making, and cake decoration. The course aims to provide students with an understanding of the fundamentals of baking, including ingredients, tools, techniques, and safety precautions.

Throughout the course, students will learn how to make a variety of sweet treats, including cakes, pastries, cookies, and bread, while also exploring the science behind baking. They will also learn how to design and decorate cakes, developing their artistic skills and creativity.

The course is structured to provide a balance between theory and practical work, with students learning about the principles of baking and cake design in the classroom before applying their knowledge in the school's commercial kitchen. They will work both independently and collaboratively, building teamwork and communication skills.

Assessment tasks in the course will include written reports, practical assessments, and group projects, with a focus on developing the student's technical skills, creativity, and problem-solving abilities.

### Modules covered

- Baking Basics
- The art of icing
- Pastry Perfection
- Celebration Treats
- The Business of Baking



**FEES:**

**\$120.00**

**REQUIREMENTS:**

Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.  
Suitable BYOD (laptop)

**CONTACT:**

Mrs. Hines (TAS Head Teacher)

## Information & Software Technology

Information and Software Technology Years 7–10 provides students with the opportunity to develop computational, systems and design thinking skills through the development of practical projects. The course provides students with specialised knowledge of past, current and advancing technologies, data, hardware, software and the roles of people involved in information and software technology. Students explore developments and future directions in the exciting and challenging field of information and software technology.

The course fosters an interest in, enjoyment of and encourages critical reflection of information and software technology as an integral part of modern society.

Students undertake a range of learning opportunities in the following modules:

### Modules Covered

- Artificial Intelligence, Simulation and Modelling
- Internet and Website Development
- Robotics and Automated Systems
- Design, Produce and Evaluate
- Authoring and Multimedia
- Software Development and Programming
- Past, Current and Emerging Technologies
- Digital Media



<b>FEES:</b>	<b>\$100.00 to cover costs of various course projects</b>
<b>REQUIREMENTS:</b>	<b>Suitable BYOD (laptop)</b>
<b>CONTACT:</b>	<b>Mrs. Hines (TAS Head Teacher)</b>

## Metal Machining

The Metal Machining course for Stage 5 Industrial Technology students provides them with an introduction to metalworking techniques and skills necessary for the fabrication of metal components. The course focuses on the use of hand and machine tools to produce accurate metal components from various materials, including ferrous and non-ferrous metals.

Students will learn the principles of design, the properties of materials, and the safe use of tools and machinery. They will also develop an understanding of manufacturing processes, including cutting, drilling, turning, milling, and grinding. The course includes both theory and practical components, with students participating in hands-on activities such as metal cutting, shaping, and finishing.

Throughout the course, students will develop their problem-solving skills as they design and produce metal components to meet specific requirements. They will work independently and in groups to produce a range of products, using a variety of techniques and materials.

The Metal Machining course is designed to provide students with a solid foundation in metalworking skills and prepare them for further studies in industrial technology or related fields. Upon completion of the course, students will have developed an appreciation for the precision and accuracy required in the metalworking industry and gained practical skills that can be applied in a variety of settings.

### Modules covered

- WH&S and Risk management
- Design
- Sheet metal products e.g. aluminium alloys, mild steel
- Tool, equipment and techniques
- Workplace communication skills
- Societal and environmental impacts
- Links to industry

**FEES:****\$80.00****REQUIREMENTS:**

Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.  
Suitable BYOD (laptop)

**CONTACT:****Mrs. Hines (TAS Head Teacher)**

## Metal Fabrication

The Metal Fabrication course for Stage 5 students is designed to provide students with the continuing skills and knowledge required to work with metal, particularly in the context of fabrication and manufacturing. The course is based on the Stage 5 Industrial Technology metal syllabus, which covers a range of topics related to metalworking. It is for students who have completed their first 100 hours of study in metal and are wanting to extend their knowledge and skills.

Students will begin by learning about the properties of various metals and alloys, including their strength, ductility, and corrosion resistance. They will also learn about the various tools and techniques used in metal fabrication, such as cutting, drilling, welding, and forming.

As the course progresses, students will have the opportunity to apply these skills and techniques to a range of projects. These may include designing and fabricating metal objects such as furniture, sculptures, or decorative pieces. Students will also learn about the importance of safety in metalworking and will be required to follow strict safety protocols throughout the course.

Throughout the Metal Fabrication course, students will develop a range of practical and technical skills that are highly valued in a range of industries. These may include construction, manufacturing, engineering, and metalworking. In addition to practical skills, students will also develop their problem-solving and critical thinking abilities, as they work to overcome challenges and develop innovative solutions to complex problems.

Overall, the Metal Fabrication course offered by the NSW DoE provides students with a valuable opportunity to learn about the exciting world of metalworking and to develop the skills and knowledge needed to succeed in a range of industries.

Modules covered

- WH&S and Risk management
- Metal fabrication e.g. aluminium alloys, brass, steel
- Tool, equipment and techniques
- Careers in the Metalworking Industry



**FEES:**

**\$80.00**

**REQUIREMENTS:**

**Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.  
Suitable BYOD (laptop)**

**CONTACT:**

**Mrs. Hines (TAS Head Teacher)**



## Decorative Timber Products

The Decorative Timber Products course is a Stage 5 Industrial Technology course and is based on the Timber 1 core module of the Industrial Technology syllabus. It is designed to provide students with an in-depth understanding of the design, production, and use of decorative timber products for those students with little or no experience working with timber materials.

Throughout the course, students will learn how to use various hand and power tools to create decorative timber products. They will also develop skills in project planning and management, as well as design development, drawing, and documentation.

The course will cover a range of topics including the properties of different timbers, the various types of decorative timber products, and their uses. Students will also explore techniques for joining and finishing timber and will gain an understanding of the sustainability issues associated with timber production and use.

Students will be expected to complete a number of practical projects during the course, which will allow them to demonstrate their understanding of the design, production, and finishing processes for decorative timber products. They will also develop their critical thinking and problem-solving skills as they analyze and evaluate the success of their projects.

Overall, the Decorative Timber Products course is an excellent choice for students who are interested in working with timber and developing their skills in design and production. It provides a comprehensive introduction to the field of decorative timber products and prepares students for further study or entry into the workforce.

### Modules covered

- Introduction to Decorative Timber Products
- Joinery techniques
- Designing a decorative timber product
- Finishing techniques
- Sustainability in Timber Production
- CNC Routing
- Production of Decorative Timber Products
- Evaluation and reflection of projects



**FEES:**

**\$80.00**

**REQUIREMENTS:**

**Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.**

**Suitable BYOD (laptop)**

**CONTACT:**

**Mrs. Hines (TAS Head Teacher)**

## Furniture Design

The Furniture Design course is based on the Stage 5 Industrial Technology Timber Syllabus Specialised Module Timber 2. The course is designed for students in Years 9 or 10 who are interested in developing their skills and knowledge in furniture design using timber and have already completed 100 hours of the Decorative Timber Products course the previous year.

Throughout the course, students will learn about the properties and characteristics of timber and other materials used in furniture design. They will explore the various tools and techniques used in the construction of furniture, including hand and power tools, and will learn about workshop safety practices.

In the practical component of the course, students will have the opportunity to apply their learning by designing and constructing their own furniture pieces. They will be guided through the design process, from initial sketches and 2D and 3D designs to the selection of materials and construction techniques. Students will also learn about the importance of sustainability in furniture design and will explore environmentally friendly materials and production methods. They will be encouraged to consider the environmental impact of their furniture designs and to explore ways to create furniture that is both functional and sustainable.

By the end of the course, students will have developed a range of skills in furniture design and construction, including sketching, computer-aided design, and the use of hand and power tools. They will have gained an understanding of the properties and characteristics of timber and other materials used in furniture design, as well as the importance of sustainability in furniture production. They will have designed and constructed their own furniture pieces, demonstrating their knowledge and skills in furniture design and construction.

They will be equipped with the knowledge and skills needed to pursue further studies in Stage 6 Industrial Technology Timber or to embark on a career in the industry.

### Modules covered

- Advanced timber joinery
- Timber turning
- Furniture restoration
- Furniture design and construction
- Timber finishing



## Outdoor Furniture

The Outdoor Furniture is a new Stage 5 school developed course designed for students interested in Industrial Technology Timber who want to explore the design and construction of furniture for outdoor spaces. This course builds upon the foundational concepts introduced in the Stage 5 Industrial Technology Timber syllabus.

Throughout this course, students will explore the principles of design and construction, as well as the use of materials and techniques appropriate for outdoor furniture. They will also develop an understanding of the importance of sustainability and the impact of their design choices on the environment.

Students will engage in a range of practical activities, including designing and constructing outdoor furniture pieces, such as chairs, tables, benches, and other items for use in outdoor settings. They will be introduced to the use of digital design tools, such as CAD and 3D modelling software, as well as traditional woodworking techniques.

In addition to practical activities, students will also study the social, cultural, and environmental context of outdoor furniture design and construction. They will analyse the design principles and historical evolution of outdoor furniture, as well as contemporary trends and innovations in the field.

At the end of this course, students will have a deep understanding of the design and construction of outdoor furniture and the skills and knowledge needed to create sustainable, functional, and aesthetically pleasing pieces. They will have developed a portfolio of their work, including design sketches, technical drawings, and finished furniture pieces, that showcases their mastery of the concepts and skills learned throughout the course.

### Modules covered

- Sustainable design
- Ergonomics and comfort
- Digital design tools
- Finishing techniques



## Surviving in the Marine Environment

Surviving in the Marine Environment is a Stage 5 course based on the Marine and Aquaculture Technology Syllabus Core Module 1. This course is designed to provide students with a comprehensive understanding of the marine environment and how to survive in it. The course covers various aspects of the marine environment, including physical and biological factors that affect marine life. Students will learn about the different types of marine ecosystems, their characteristics, and the organisms that inhabit them. They will also explore the challenges faced by marine organisms and how they have adapted to survive in their environments.

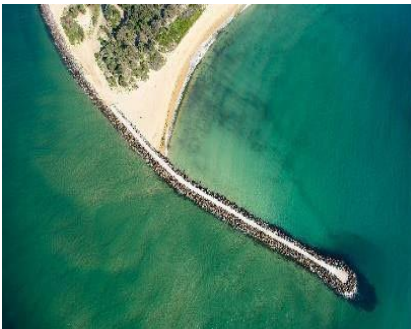
Additionally, the course focuses on the sustainable use of marine resources and the impact of human activities on the marine environment. Students will examine the concept of marine conservation and the different strategies that can be implemented to protect and preserve the marine ecosystem, visiting local sites during class time.

Throughout the course, students will be engaged in practical activities that will enable them to develop skills in observation, data collection, and analysis. They will also be encouraged to apply their knowledge and understanding of the marine environment to real-life situations and issues.

By the end of the course, students will have gained a deeper appreciation and understanding of the marine environment and the importance of conserving it. They will also have developed the skills and knowledge necessary to survive in the marine environment and contribute to its sustainable use and conservation.

### Modules covered

- The Oceans
- Waves & Tides
- Dangerous Marine Creatures
- Fish Biology



### FEES:

**\$30.00**

### REQUIREMENTS:

**Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.  
Suitable BYOD (laptop)**

### CONTACT:

**Mrs. Hines (TAS Head Teacher)**

## Working in the Marine Environment

The "Working in the Marine Environment" course is designed for Stage 5 students who are interested in pursuing a career in the marine industry or are passionate about marine biology, aquaculture, and ocean conservation. This course is based on the Marine and Aquaculture Technology Syllabus Core Module 2.

The course is structured around a range of key topics that are critical for working in the marine environment. These include understanding the physical and chemical properties of seawater, the principles of marine ecology, sustainable management of marine resources, and the skills required for working in the aquaculture and fisheries industries.

Students will learn about the importance of marine ecosystems and the impact of human activities on the marine environment. They will explore the different types of marine ecosystems, such as coral reefs, estuaries, and mangroves, and how they support a diverse range of marine life.

In addition, the course will cover the fundamentals of aquaculture, including different aquaculture systems and techniques, the role of aquaculture in sustainable food production, and the challenges facing the aquaculture industry. Students will also learn about fisheries management and the role of marine protected areas in maintaining healthy marine ecosystems.

Throughout the course, students will develop practical skills, including how to sample and analyse seawater, how to set up and maintain aquaculture systems, and how to collect and process fishery data. They will also learn about the different career pathways in the marine industry and the skills required to succeed in these roles.

By the end of the "Working in the Marine Environment" course, students will have gained a deep understanding of the marine environment and the challenges facing this important ecosystem. They will be equipped with the knowledge and skills to pursue further studies in marine science or to pursue a career in the marine industry, such as fisheries management, aquaculture, or marine conservation.

### Modules covered

- Rocky Platforms
- The Antarctic marine ecology
- First aid and resuscitation



## Design and Engineering in Sport

The Design and Engineering in Sport is a 100 hour Non RoSA course which uses sport as a focus area to develop an understanding of engineering and design principles. The subject will be taught using a practical approach to understand how these principles are applied. The subject will also involve the use of current and new technologies used in sport.

In this course students have the opportunity to explore

- Aerodynamics in sport (motor racing, throwing implements i.e.: javelin)
- Athlete monitoring to improve sport performance (GPS tracking, HR data, speed gates)
- Technology used for judging and officiating (timing systems, video replay)
- Materials in sport (footwear, tennis racquets, bicycle frames etc.)
- High performance prosthetics
- Electric bike construction
- Telecommunications in sport (Wi-Fi, Bluetooth, radio etc.)
- Extreme sports (rock climbing, surfing etc.)

Practical projects will reflect real world engineering, technology and design challenges in the area of sport. This subject will provide opportunities for students to develop specific knowledge, understanding and skills in solving challenges and problems for themselves.

These will include:

- Application of materials in sport
- Applying the design and scientific process to create unique prototypes
- Investigating and use of specific technologies which improve sport performance
- Selection and safe use of hand and power tools and manufacturing machines



Learning Experiences include:

- Student-centered instructional methods including
- Problem-based learning based upon solving challenging problems and develop problem solving skills.
- Project-based learning where students create a final project improving practical skills and working in small teams
- Development of practical skills including
- Use of hand and power tools in the technology workshop
- Setting up and using sports related technologies such as GPS tracking devices, HR monitors, timing gates, force plates and video analysis equipment.
- Creation of unique prototypes such as custom electric bicycle, carbon fiber or fiberglass sports implements, model F1 race car.
- Use of specialised equipment including 3D printing and advanced manufacturing using CNC milling and laser cutting.
- Application of the design process including creation of hand drawings and use of CAD programs.



**FEES:** \$80.00

**REQUIREMENTS:** Fully enclosed footwear with solid uppers must be worn with WHS legislation and DoE policies.

**CONTACT:** Mrs. K. Hines

## Experimenting with Music

Experimenting with Music is a 100 hour course that may be studied in either Year 9 or Year 10. Students can only study each course once in Stage 5

This course will allow students to:

- actively participate in performing, composing and listening tasks
- experiment with Music technology software and hardware
- demonstrate an awareness and appreciation of cultural traditions and present practices
- express themselves in ensembles or solo performances
- read and write music in order to perform

Topics studied can include: Australian music, Rock Music, Television/Radio/Film Music, Jazz, Vocal Music, Classical Music etc.

Students will receive specialized tutoring in keyboard, guitar and drums. Skills in practical stage management will also be developed.



<b>FEES:</b>	<b>\$ 40.00</b>
<b>REQUIREMENTS:</b>	<b>Music book</b>
<b>CONTACT:</b>	<b>Mrs. Ward, Mrs. Hudson, Mrs. Knight</b>

## Music Performance

Music Performance is a 100 hour course that may be studied in either Year 9 or Year 10. Students can only study each course once in Stage 5

This course will allow students to:

- actively participate in performing, composing and listening tasks
- experiment with Music technology software and hardware
- demonstrate an awareness and appreciation of cultural traditions and present practices
- express themselves in ensembles or solo performances
- read and write music in order to perform

Topics studied can include: Australian music, Rock Music, Television/Radio/Film Music, Jazz, Vocal Music, Classical Music etc.

Students will receive specialized tutoring in keyboard, guitar and drums. Skills in practical stage management will also be developed.



<b>FEES:</b>	<b>\$ 40.00</b>
<b>REQUIREMENTS:</b>	<b>Music book</b>
<b>CONTACT:</b>	<b>Mrs. Ward, Mrs. Hudson, Mrs. Knight</b>



## Investigating Visual Art

Investigating Visual Art is a 100 hour course that may be studied in either Year 9 or Year 10. Students can only study each course once in Stage 5

In this course you will have the opportunity to:

- Make artworks using a range of techniques in a variety of forms
- Explore how your own life and experiences can influence your art making
- Investigate and respond to a wide range of artists and artwork

Learning experiences can include:

- Each 100 hour course will explore drawing, painting, sculpture and printmaking. topics and mediums will be based on student interests.



<b>FEES:</b>	<b>\$ 50.00</b>
<b>REQUIREMENTS:</b>	<b>A4 or A3 Visual Arts Process Diary (sketchbook)</b>
<b>CONTACT:</b>	<b>Mr Frazier/Miss Smith/Mrs. Knight</b>

## Exploring Art Mediums

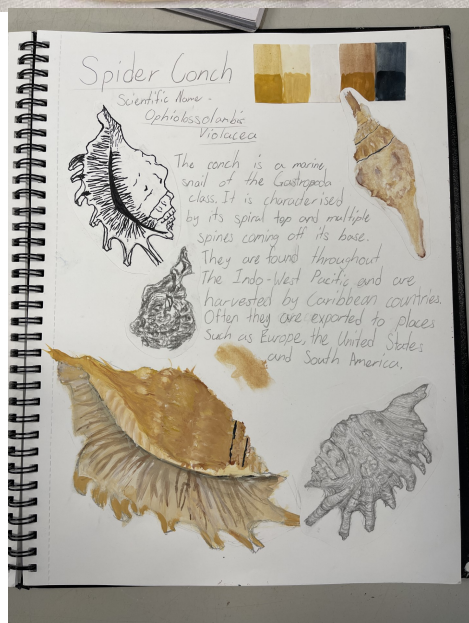
Exploring Art Mediums is a 100 hour course that may be studied in either Year 9 or Year 10. Students can only study each course once in Stage 5

In this course you will have the opportunity to:

- Make artworks using a range of techniques in a variety of forms
- Explore how your own life and experiences can influence your art making
- Investigate and respond to a wide range of artists and artwork

Learning experiences can include:

- Each 100 hour course will explore drawing, painting, sculpture and printmaking. topics and mediums will be based on student interests.



<b>FEES:</b>	<b>\$ 50.00</b>
<b>REQUIREMENTS:</b>	<b>A4 or A3 Visual Arts Process Diary (sketchbook)</b>
<b>CONTACT:</b>	<b>Mr Frazier/Miss Smith/Mrs. Knight</b>

## Physical Activity & Sports Studies (PASS) High Performance Option

Hunter Sports High School will offer three strands of Physical Activity and Sports Studies (PASS). Two of these strands will focus on High Performance and include targeted Strength and Conditioning sessions.

These include:

- High performance PASS
- High performance Football (Soccer) PASS

Both high performance strands will go deeper into information and skills needed for improved performance for athletes within their sport. Students particularly in a Sports Academy should choose one of the high-performance options to complement and add value to the training they are doing in Sports Academy times.

This provides students and parents with a no to low-cost alternative to gym memberships as students will get access to multiple strength and conditioning sessions a week overseen by Hunter Sports High School's head of High Performance, Mr. Trypas.

Non-Sports Academy students who have an interest in strength, conditioning and training programs or who are looking at making personal health and performance improvements may also wish to consider this course.

Students undertake a range of learning opportunities in the following:

- Fitness analysis and laboratories
- Use of technology in sport
- Training program development
- Training for power, speed & strength
- Athlete requirements for high performance
- Computer Stimulations
- Sports Nutrition, psychology and recovery
- Strength and Conditioning



**FEES:**

Depending on elective choices some costs involved in excursions, coaching accreditations, etc.

**REQUIREMENTS:**

Full PE uniform must be worn, 96-page A4 exercise book

**CONTACT:**

Miss Wilson (PDHPE Head Teacher)

## Physical Activity & Sports Studies - Rugby League

This course is an alternative sporting option for any student NOT currently in a Sports Academy but who has an interest in rugby league. Physical Activity and Sports Studies aims to enhance students' capacity to participate effectively in physical activity and sport, leading to improved quality of life for themselves and others. Students undertaking this course will participate in activities and apply relevant information to enhance quality and enjoyment in the sport of Rugby League.

What will students learn about?

The course includes modules selected from each of the following three areas of study: A Rugby League focus is applied to each:

### Foundations of Physical Activity

- Body systems and energy for physical activity
- Physical activity for health
- Physical fitness
- Fundamentals of movement skill development
- Nutrition and physical activity
- Participating with safety

### Physical Activity and Sport in Society

- Australia's sporting identity
- Lifestyle, leisure and recreation
- Physical activity and sport for specific groups
- Opportunities and pathways in physical activity and sport
- Issues in physical activity and sport

### Enhancing Participation and Performance

- Promoting active lifestyles
- Coaching
- Enhancing performance – strategies and techniques
- Technology, participation and performance
- Event management

What will students learn to do?

Throughout the course students will develop skills that develop their ability to:

- work collaboratively with others to enhance participation, enjoyment and performance in Rugby League
- display management and planning skills to achieve personal and group goals in Rugby League
- perform movement skills in Rugby League with increasing proficiency
- analyse and appraise information, opinions and observations to make informed decisions in Rugby League.

<b>FEES:</b>	Depending on elective choices some costs involved in excursions, coaching accreditations, etc.
<b>REQUIREMENTS:</b>	Full PE uniform must be worn, 96-page A4 exercise book
<b>CONTACT:</b>	Miss Wilson (PDHPE Head Teacher)

## Physical Activity & Sports Studies (PASS) General Option

Hunter Sports High School will look to offer three strands of Physical Activity and Sports Studies (PASS). In addition to the 2 High Performance PASS streams, we will also offer a General PASS option.

The general strand will be offered to students who appreciate movement, health and fitness and who wish to broaden their general knowledge and experiences. It is for any student who wishes to be active but does not necessarily want to focus on high performance. Students should note they can only pick 1 PASS option and in Year 9 in particular, Sports Academy students are encouraged to select the High-Performance option.

Students undertake a range of learning opportunities in the following:

- Fitness analysis and laboratories
- Use of technology in sport
- Organisation of school sporting events
- Recreational activities
- Practical experience in a variety of sports (Generals)
- Computer stimulations
- Sports Nutrition, psychology and recovery
- Strength and Conditioning



**FEES:**

Depending on elective choices some costs involved in excursions, coaching accreditations, etc.

**REQUIREMENTS:**

Full PE uniform must be worn, 96-page A4 exercise book

**CONTACT:**

Miss Wilson (PDHPE Head Teacher)

## Working in Sport

Working in Sport is for anyone interested in exploring the vast opportunities for careers and work in the sports industry. These may include:

- Coaching
- Sport and Recreation
- Event management
- Sports Media

As part of this unit, students will develop their knowledge, skills and understanding to work in the sport and coaching industry. They will examine opportunities and career pathways in physical activity, sport and the recreation industry and the roles within each context to determine the benefits and relevance to them. Students will be provided with opportunities to develop their skills in a range of sport, physical activity, or recreational roles and, where appropriate, may be given the opportunity to complete a training qualification.

Major themes explored through practical and theory-based learning activities include:

- Coaching (styles, qualifications, skills, planning and delivering sessions)
- Sporting Event Management (Roles, planning, promoting, conducting and evaluating events)
- Sport and Recreation (Industry opportunities and requirements)
- Safety in Sport (Risk management, injury prevention, first aid,)

Through the course, students will be provided with opportunities to practically apply their coaching, planning, organisational and communication skills in sporting contexts. They will regularly participate in physical activity and at times have to run these peers led sessions



**FEES:**

Depending on elective choices some costs involved in excursions, coaching accreditations, etc.

**REQUIREMENTS:**

Full PE uniform must be worn, 96-page A4 exercise book

**CONTACT:**

Miss Wilson (PDHPE Head Teacher)

## Girls Make Your Move

Girls make your move is a General PASS alternative targeted towards girls that want to be active or improve their activity levels but at times can be afraid or unmotivated within the environments that physical activity predominantly occurs in. It is a course that will look to support the health, wellbeing of young girls and empower them within physical environments while providing them with support to enhance health knowledge further in an inclusive environment.

Some key concepts that will be explored through theory and practical based learning experiences include:

- Physical Activity for Health
- Leisure and Recreation
- Living and promoting active lifestyles
- Nutrition
- Supporting Mental health and wellbeing through physical and practical activities.

Please note Sports Academy students particularly going into year 9 are encouraged to pick High Performance PASS to complement their training and unfortunately students will not be able to do both High performance and Girls make your Move.



**FEES:**

Depending on elective choices some costs involved in excursions, coaching accreditations, etc.

**REQUIREMENTS:**

Full PE uniform must be worn, 96-page A4 exercise book

**CONTACT:**

Miss Wilson (PDHPE Head Teacher)

## Child Studies

Child Studies explores the broad range of social, environmental, genetic and cultural factors that influence prenatal development and a child's sense of wellbeing and belonging between 0 and 8 years of age.

Child Studies assists students to understand the significant impact of the child's environment and the role that the child and others can take in the active construction of this environment.

Learning in Child Studies promotes in students a sense of empathy for children, their parents, caregivers and those that have the potential to influence the learning environments. It contributes to the development in young people of an understanding and appreciation of the range of ways they can positively affect the wellbeing of children through roles in both paid and unpaid context.

In this course Students have the opportunity to explore

- Preparing for Parenthood
- Conception to Birth
- Family Interactions
- Growth and Development
- Play and the developing child
- Health and Safety in childhood
- Food and nutrition in childhood
- Media and technology in childhood



**FEES:**

Depending on elective choices some costs involved in excursions or resources.

**REQUIREMENTS:**

BYOD + 96-page A4 exercise book

**CONTACT:**

Miss Wilson (PDHPE Head Teacher)



## Outdoor Recreation

Are you interested in the outdoors and recreation? Then Outdoor recreation is for you!

Through participation in a range of outdoor activities, students will develop and apply their knowledge and skills to work together to be active and safe in a variety of outdoor environments. They learn to assess risk, identifying and applying appropriate management strategies and emergency response procedures.

Through studying outdoor education, students will develop personal wellbeing and a sense of place and connection as a result of a greater understanding and appreciation of the local natural environment. Outdoor education has the potential to explicitly promote and encourage on-Country learning and include Aboriginal perspectives.

Learning experiences will incorporate both theory but also practical, hands on approaches. The following concepts and activities will be explored:

- Bush craft and navigation
- Bushwalking, orienteering and possibly mountain biking
- Expedition preparation and skills
- First aid

The Duke of Edinburgh Award will also be incorporated into the program which focuses on

- Skills
- Physical recreation
- Volunteering
- Expedition



**FEES:**

**\$30 (to help cover cost of excursion resources)**

**REQUIREMENTS:**

**Full PE uniform must be worn, 96-page A4 exercise book. May require additional resources which will be communicated.**

**CONTACT:**

**Miss Wilson (PDHPE Head Teacher) or Mr Tait (Program Coordinator)**