



HUNTER RIVER HIGH SCHOOL

Subject Selection Booklet

YEAR 10 2024



HARMONY RESPECT HONESTY SUCCESS

FORWARD

This booklet has been prepared to provide information on courses at Hunter River High School. These courses are for Year 10 and will appear on the student's Record of School Achievement (RoSA).

Subjects are divided into two groups:

- Compulsory
- Elective.

This booklet should be read in conjunction with the NESA 'Years 7 to 10 Syllabus Course Descriptions' booklet which can be found at: <http://www.boardofstudies.nsw.edu.au/rosa/>

In Year 10, all students will study the mandatory CORE subjects and two ELECTIVE subjects.

Core Subjects
English
Mathematics
Science
History
Geography
PDHPE
Sport
Elective Subjects
X Elective – 200-hour REMAINS THE SAME
Y Elective

ELECTIVE SUBJECTS

All students must participate in two elective subjects. During the selection process, students will have the opportunity to indicate a backup subject as a third option. Students should enter the subject choices in order of preference. In the event a course isn't available, a students' third option will be allocated.

Details of all subjects offered are found in this booklet.

WILL ALL ELECTIVES RUN NEXT YEAR?

All elective subjects listed in this booklet are on offer. However, only those electives chosen by a sufficient number of students will run next year. Students decide via their choices which subjects run.

It is very important that students choose carefully. Once all subject selection sheets are in:

- Selections will be tallied
- Decisions will be made on which subjects will and will not run
- Subjects will be put into lines (X or Y).

THINGS TO CONSIDER WHEN CHOOSING ELECTIVES

When choosing electives, it is essential to consider a student's:

- Career aspirations
- Interests
- Abilities and talents

This is a very personal choice and students are advised to ignore outside pressure (e.g. peer pressure) when selecting subjects. If you have any questions about specific subjects, please consult the Head Teacher.

ELECTIVES – Y-LINE

[Agriculture Technology 100 hours](#)

[Building and Construction 100 hours](#)

[Agrifood Operations 100 hours](#)

[Commerce 100 hours or 200 hours for continuing students](#)

[Dance 100 hours](#)

[Creative Industries \(Music\) 100 hours](#)

[CAFÉ/Food Technology 100 hours or 200 hours for continuing students](#)

[Industrial Technology Timber 100 hours](#)

[iSTEM 100 hours](#)

[Outdoor Recreation 100 hours](#)

[Textiles Technology 100 hours](#)

[Visual Design 100 hours or 200 hours for continuing students](#)

AGRICULTURE TECHNOLOGY – 100 hours

FACULTY: SCIENCE

HEAD TEACHER: MATHEW ROBSON

COURSE DESCRIPTION

The Hunter area of NSW is an important agricultural area. It produces a large variety of products, which include – cattle for meat and milk, poultry for meat and eggs, vegetables, fruit and many other products.

Students of Agricultural Technology in Year 10 make extensive use of the well-equipped school farm whilst studying the production cycle of most of the products mentioned above. By concentrating on the local area's production, the course becomes more relevant to the students whilst enabling teachers to illustrate important agricultural concepts that are synonymous to all agricultural pursuits.

The course has an underlying 'systems theme' that basically means any action done on a part of the farm has important effects on the whole farm. Students need NOT have studied agriculture before and will enjoy the opportunity to learn new skills in an outdoor environment.

The course does NOT terminate in Year 10. It is also studied in senior years and can lead to a vocation in agriculture.

WHAT STUDENTS LEARN

Studying Agricultural Technology:

- Makes students more aware of the local and Australian farming environment;
- Allows students to learn useful new skills;
- Allows the skills and concepts taught to be used in activities outside farming; and
- Can lead to further studies and possibly a vocation in agriculture.

FEE: \$10.00

IT IS RECOMMENDED TO SELECT AGRIFOODS AS YOUR SECOND PREFERENCE IF YOU HAVE AGRICULTURE AS YOUR FIRST PREFERENCE

AGRIFOOD OPERATIONS Cert I – 100 hour

FACULTY: SCIENCE

HEAD TEACHER: MATHEW ROBSON

COURSE DESCRIPTION

Vocational education and training (VET) courses form an integral part of the secondary education curriculum in NSW. It is widely recognised that these courses perform a significant role in preparing students for a successful transition from school to work. Schools have ensured through sustained commitment that school delivered VET is valued by industry, further education providers and the community.

Students must attempt:

All core units of competency (totalling 35 indicative hours)

Elective units of competency to a minimum of 65 indicative hours and to meet qualification packaging rules.

This course is competency based. This means students will demonstrate their understanding of the theory through practical demonstration. Students will be completing a range of hands-on activities throughout the year. This is a course for students who prefer to learn through doing and will provide a solid base for future employment in the Agriculture Industry.

WHAT STUDENTS LEARN

Students will be involved in the care of a range of animals and carry out a range of activities with poultry, sheep and cattle. They will be involved in preparing housing for the animals, raising and caring for the animals and the sale of products grown.

Students will also have a choice of one of the following:

- Support gardening work
- Support Horticultural work or
- Support Nursery work

FEE: \$10.00

IT IS RECOMMENDED TO SELECT AGRICULTURE AS YOUR SECOND PREFERENCE IF YOU HAVE AGRIFOODS AS YOUR FIRST PREFERENCE

BUILDING & CONSTRUCTION TECHNOLOGY

– 100 hours

FACULTY: TAS

HEAD TEACHER: JOEL WATSON (Rel.)

COURSE DESCRIPTION

The Building and Construction focus area provides opportunities for students to develop knowledge, understanding and skills in relation to the building and associated industries. The Building and Construction module develops knowledge and skills in the use of tools, materials and techniques related to building and construction.

WHAT STUDENTS LEARN

This subject focuses on developing knowledge and skills in the areas of Building and Construction.

This includes:

- The properties and applications of materials used in residential construction
- Use of correct equipment, tools and machines
- Measuring and marking out techniques
- Industry links
- Design
- Workplace and Communication skills
- Theoretical aspects of the course are directly related to Practical Projects undertaken.

Students contemplating a career in the Construction Industry will find this subject beneficial. It is a useful subject for those enjoying working outdoors. The skills and knowledge gained through this subject are useful assets for Construction Pathways in Year 11.

FEE: \$50.00

NOT OPEN TO STUDENTS WHO ALREADY STUDIED BUILDING AND CONSTRUCTION IN YEAR 9, 2023 MAY NOT APPEAR ON A STUDENT'S ROSA IF THIS IS THEIR THIRD INDUSTRIAL TECHNOLOGY SUBJECT FOR STAGE 5

COMMERCE – 100 or 200 hours

FACULTY: HSIE

HEAD TEACHER: LUCAS WINTER (Rel.)

COURSE DESCRIPTION

This is the subject for students interested in looking at Business Studies and Legal Studies in the Senior School.

Commerce enables young people to develop the knowledge, understanding, skills, values and attitudes that form the foundation on which they can make sound decisions about consumer, financial, economic, business, legal, political and employment issues. It develops in students the ability to research information, apply problem-solving strategies and evaluate options to make informed and responsible decisions as individuals and as part of the community.

WHAT STUDENTS LEARN

- Student learning in Commerce promotes critical thinking and the opportunity to participate in the community. Students will develop their problem solving and communication skills. Students could learn about (dependent on interest):
- How businesses operate
- The legal system
- Travel

FEE: Nil* (excursions will be offered which will have an associated cost)

OPEN TO ALL STUDENTS INCLUDING THOSE CURRENTLY STUDY COMMERCE IN YEAR 9

DANCE – 100 hours

FACULTY: CAPA

HEAD TEACHER: TAMARA AUBREY

COURSE DESCRIPTION

The study of dance as an artform centres on the three practices of performance, composition and appreciation of dance as works of art. Studying dance involves the development of physical skill as well as aesthetic, artistic and cultural understanding. Student's express ideas creatively as they make and perform dances, and analyse dance as works of art. They think imaginatively and share ideas, feelings, values and attitudes while physically and intellectually exploring communication through movement. Safe Dance Practice is embedded through the practices to ensure that students can maintain safe, healthy and rewarding dancing careers.

WHAT STUDENTS LEARN

You will learn to:

- **EXTEND** and **REFINE** known dance technique, dance vocabulary and knowledge of dance from a social and historical perspective;
- **CREATE** your own works while developing a personal movement style.
- **DEVELOP** an awareness of movement skills and the elements of dance.

FEE: \$10.00

CREATIVE INDUSTRIES (MUSIC) – 100 hours

FACULTY: CAPA

HEAD TEACHER: TAMARA AUBREY

COURSE DESCRIPTION

The Creative Industries (Music) course gives students the opportunity to develop their skills and understanding in music recording, arranging and compositing. Students will learn how to produce live recordings using a range of available software and hardware. Class and individual projects in this course will include editing music recordings, developing performances, and showcasing students' music and production skills for authentic audiences at school and community events.

This is a subject designed for those who want to learn about what goes on 'behind the scenes' in the modern music world. Creative Industries gives a good basis for the VET Music Industry course that will be offered in Years 11 and 12.

WHAT STUDENTS LEARN

The course delivers hands on experience in live sound and lighting practices. We will be composing music using digital audio software, loop pedals and a variety of other music programs. Contemporary song writing and recording techniques for bands, singer songwriters and small acoustic ensembles will also be covered. Additionally, students will learn how to set up and run live concerts.

FEE: \$10.00

CAFÉ / FOOD TECHNOLOGY – 100 or 200 hours

FACULTY: TAS

HEAD TEACHER: JOEL WATSON (Rel.)

COURSE DESCRIPTION

The Australian Food Industry is growing in importance, providing numerous employment opportunities and increasing the relevance of CAFÉ FUNDAMENTALS for the individual and society. There are increasing community concerns about food issues, including hygiene and safety, nutritional claims and the nutritional quality of food, genetic engineering, functional foods and the environmental impact of food production processes. Students will explore food-related issues through a range of practical experiences, allowing them to make informed and appropriate choices with regards to food.

This elective is focused on providing students with the best opportunity to gain authentic skills and experience in Food Technology, combined with Café fundamentals, by implementing the Stage 5 Food Technology course, focussing on the units that are aligned with food product development, food service and catering, food for special occasion and food trends.

By implementing these focus areas, this allows us to incorporate the running the school café in term 2 and term 4. Students will have an opportunity to gain firsthand work experience working in the school café. They will get to use a variety of specific equipment used within the café including the coffee machine, making non-alcoholic beverages, manage and operate a real café, including cleaning, general maintenance, food costing, ordering, cash handling and customer service. These skills can be utilised to gain employment.

WHAT STUDENTS LEARN

Year 9

- Foods in Australia
- Food service and catering
- Food for special occasions

Year 10

- Food Trends
- Food for Specific Needs
- Food Product Development

FEE: \$50.00

OPEN TO STUDENTS WHO STUDIED FOOD TECHNOLOGY (CAFE) IN YEAR 9, 2023 AND ANYONE ELSE NOT STUDYING THE 200-HOUR FOOD TECHNOLOGY COURSE

INDUSTRIAL TECHNOLOGY TIMBER – 100 hours

FACULTY: TAS

HEAD TEACHER: JOEL WATSON (Rel.)

COURSE DESCRIPTION

The aim of the Industrial Technology course with the timber focus area is to provide opportunities for students to develop knowledge, understanding, skills and values related to timber and its associated industries. This is achieved through safe interaction with materials, tools and processes in the planning, development and construction of quality practical projects.

The study of this subject will help to lay a good foundation for any student hoping to pursue a career in any of the timber or building trades including:

- Builder;
- Carpenter/joiner;
- Cabinet maker;
- Wood machinist;
- Formwork Construction Carpenter; and Pattern maker.

WHAT STUDENTS LEARN

The course enables students to:

- Broaden their career options;
- Develop an understanding of Work, Health & Safety;
- Build confidence and competence in the correct use of tools and equipment; and
- Facilitate self-sufficiency, resourcefulness, mature judgement, and the capacity to work co-operatively and responsibly.

FEE: \$50.00

NOT OPEN TO STUDENTS WHO ALREADY STUDIED INDUSTRIAL TECHNOLOGY - TIMBER IN YEAR 9, 2023 MAY NOT APPEAR ON A STUDENT'S ROSA IF THIS IS THEIR THIRD INDUSTRIAL TECHNOLOGY SUBJECT FOR STAGE 5

iSTEM – 100 hours

FACULTY: SCIENCE

HEAD TEACHER: MATHEW ROBSON

COURSE DESCRIPTION

Integrated SCIENCE, TECHNOLOGY, ENGINEERING and MATH education is an innovative approach to learning knowledge and skills in each of these related disciplines. Post-school success for these students is enhanced as these fields are deeply intertwined in the real world. Students are required to participate in learning activities that model current best practice in industry. STEM careers are highly lucrative and rewarding.

Aspire to drive a truck in the Pilbara and earn big money? This and many other jobs are becoming extinct due to the rapid growth of technology. For example, Rio Tinto already has driverless trucks that are controlled from Perth and self-driving cars for personal use will be available for purchase soon.

Are you interested in studying Physics, Chemistry, Biology, Mathematics, Metal and Engineering, Software Design and Development or other STEM related subjects for your HSC? Then iSTEM is the course for you.

WHAT STUDENTS LEARN

Areas of study may include:

- Engineering fundamentals;
- Mechatronics / Robotics;
- 3D CAD/CAM;
- Motion;
- Aerodynamics; and
- Personal interest STEM Project.

iSTEM offers great opportunities to work with our Industry Partners; Jetstar, BAE Systems, AmpControl and Varley are most evident in this subject. In addition, iSTEM at HRHS is supported by Regional Development Australia – Hunter and the ME Program. It is through this support our school participates in many STEM related competitions like the Bottle Rocket Challenge and RoboCup. The iSTEM class often has the first option to participate in such events.

FEE: \$15.00

OUTDOOR EDUCATION – 100 hours – will not appear on Record of School Achievement

FACULTY: PDHPE

HEAD TEACHER: ALEX THOMPSON or NICOLE JONES

COURSE DESCRIPTION

Outdoor education is based on experiential learning where students explore and gain a deeper understanding of their surroundings. Students learn through planning and participating in outdoor experiences where they will develop and apply their knowledge and skills to work together to be active and safe in a variety of outdoor environments. Students learn skills that encourage them to minimise their impact on the environment and understand why this is so important. Career pathways include outdoor leadership and guiding, environmental planning, ecotourism and outdoor education.

WHAT STUDENTS LEARN

The 100-hour course comprises the core and a minimum of 3 options (which will be selected by the facilitating teacher)

Core: Indicative time – 25 hours - Experiencing the outdoors.

Indicative time – 15-30 hours for each option.

- Option 1 – Bushcraft and navigation in the outdoors
- Option 2 – First aid in outdoor environments
- Option 3 – Survival in outdoor environments
- Option 4 – Environment and conservation
- Option 5 – Building connection
- Option 6 – Mental and physical preparation for the outdoors
- Option 7 – Expedition preparation
- Option 8 – Climbing and rope activities
- Option 9 – Bushwalking, orienteering and mountain biking
- Option 10 – Snorkelling, surfing and beach activities
- Option 11 – Kayaking, canoeing, sailing and sailboarding
- Option 12 – Snow sports
- Option 13 – School-developed option.

FEE: Nil* (excursions will be offered which will have an associated cost)

OPEN TO ALL STUDENTS, INCLUDING THOSE WHO STUDY PHYSICAL ACTIVITY AND SPORT STUDIES - 200 hours

TEXTILES TECHNOLOGY – 100 hours

FACULTY: TAS

HEAD TEACHER: JOEL WATSON (Rel.)

COURSE DESCRIPTION

This course is about the Australian Fashion Industry and famous fashion designers around the world. Have you ever wanted to design and create your own clothes and fashion accessories? Well, here is your chance! Textiles Technology is a practical, fun course where students complete a variety of projects involving fabrics and related materials.

Each unit of work has a theme and focuses on a particular area of fashion and textile use. The units may include:

- Making a fascinator;
- Design for fun;
- Working with beading.
- Fashion Designers; and/or
- Creating a personal design;

WHAT STUDENTS LEARN

Each unit is designed around a practical project including activities such as:

- Learning to create fashion drawings;
- Illustrations and sketches;
- Batik and tie dyeing;
- Silk painting, Applique
- Wool dyeing, knitting
- Embroidery and beadwork;
- Patchwork;
- Redesigning interiors;
- Making children's clothes and toys; and
- Redesigning a garment.

FEE: \$20.00 (individual selection of materials at own cost)

VISUAL DESIGN – 100 or 200 hours

FACULTY: CAPA

HEAD TEACHER: TAMARA AUBREY

COURSE DESCRIPTION

Visual Design is primarily a practical subject in which students design and create objects and environments. The course provides students with opportunities to explore the links between art and design by making products with aesthetic qualities. Students learn to make visual design artworks using a range of materials and techniques. You will learn to represent your ideas and interests with reference to contemporary trends and will study how designers make artworks. This is a highly practical subject that allows you to work independently and develop your own individual creativity.

WHAT STUDENTS LEARN

Students will have the opportunity to create a broad range of design products and artworks. This may include:

- Sticker designs
- Clothing decals
- Food packaging
- Print and distribution media
- Digital graphics
- Zines

FEE: \$25.00

OPEN TO ALL STUDENTS INCLUDING THOSE WHO CURRENTLY STUDY VISUAL DESIGN IN YEAR 9