



**BYFORD**  
SECONDARY COLLEGE



# YEAR 10 SUBJECT SELECTION HANDBOOK 2025

# Contents

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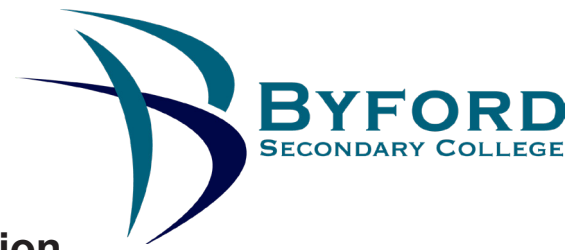
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**Ngany kaadadjiny Noongar birdiya maaman, yoka, koolangka koora  
koora yeyi djoowak. Nidja Noongar boodya-k ngany nyin.**

We at Byford acknowledge and pay respect to the Noongar Elders, men, women and children past, present and future. This is Noongar country I sit on.



# Introduction



## Year 10 Elective Subject Selection Information

This booklet outlines the elective courses available to students entering Year 10 in 2025. The lower secondary school curriculum at Byford Secondary College follows the Western Australian Curriculum and provides students with a range of subjects that fit their needs and/or interests and in which they may ultimately specialise in Senior School.

All students in Year 10 will study a set number of hours in each Learning Area. Each student will experience compulsory and elective courses across the learning areas, while some students will also study specialised courses.

### Compulsory Courses

Studied for 4 hours per week and are made up of:

- English
- Health and Physical Education
- Humanities and Social Sciences
- Mathematics
- Science

Plus 1 hour:

- Career Pathways

### Elective Courses

Additionally, students study elective courses for 4 hours per week. Depending on their existing compulsory courses students can select up to 2 elective subjects per semester.

### Specialist Courses

The areas in which a student can specialise in 2025 are:

- Music
- AFL
- Netball

There may be a trial or audition process to gain entry into these subjects.

*All subjects require a minimum student attendance for the class to go ahead. In cases where this is not met students will be asked to reselect their electives. Preferences are not guaranteed due to timetable configuration and class capacity.*

**Please return Course Selection Sheets to Administration Reception by  
FRIDAY 9TH AUGUST.**

# Course Summary

## Year 10 Course Selection 2025

	LEARNING AREA	COURSE DETAILS	
<b>Compulsory Courses</b>	English	10ENG	English
	Mathematics	10MATH	Mathematics
	Science	10SCI	Science
	Humanities & Social Sciences	10HASS	Humanities and Social Sciences
	Health & Physical Education	10PEHPC	Health & Physical Education and Pastoral Care
	Career Education	10PATH	Pathways
All courses below are semester long unless stated as Year Long – Number from 1 through to 6 below			
	The Arts	10DD	Dare to Dance (Semester 1 only)
		10SD	Dance (Year Long)
		10ASM	Specialised Music (Year Long)
		10AGM	General Music (Semester 1 only)
		10A2D	Painting and Printmaking (Semester)
		10A3D	Ceramics and Sculpture (Semester)
		10AMP	Photography
		10AMF	Film
	Languages	10GLS	German (Year-Long)
	Health & Physical Education	10POP	Outdoor Pursuits
		10PSS	Sports Science (Year Long)
		10PESA	Specialised AFL Program (Year Long)
		10PESN	Specialised Netball Program (Year Long)
	Humanities and Social Sciences	10HBM	Business and Marketing
		10HCI	Criminal Investigations (Year Long)
		10H	Philosophy
	Science	10SPC	Powering Careers in Energy (Year Long)
	Technologies	10TFS	Food Science
		10TFSY	Food Science (Year Long)
		10TCC	Caring for Children
		10TTX	Fun with Fashion - Textiles
		10TJE	Jewellery
		10TWT	Wood Technology
		10TMT	Metal Technology
		10TDG	Design Graphics
		10TDT	Digital Technologies
		10TRE	Robotics Engineering
10TSM		Mechatronics – Simple Machines	

## The Arts

Head of Learning Area: Craig Miles

Email contact: [craig.miles@education.wa.edu.au](mailto:craig.miles@education.wa.edu.au)

### Dance (Year Long)

**Cost: \$60.00**

Subject Code: 10ASD

Year 10 Dance students will focus on beginning to develop complex skills and techniques acquired in Contemporary, Jazz and cultural dance genres. Some of the cultural styles may include Spanish, Indian or Bollywood. You will be learning to improvise and perform, as well as composing your own pieces.

Students may also attend live dance performances to build their knowledge. This course is aimed at students who already have some dance knowledge or experience by having taken Dance in Years 7, 8 or 9.

The skills you learn in this class will also assist you in other career pathways such as critical and creative thinking, problem solving, and collaboration. Please note that as part of this year long course, students will be required to participate in all performances and concerts.

### Dare to Dance (Semester 1 only)

**Cost: \$25.00**

Subject Code: 10ADD

Year 10 Dare to Dance students will be focusing on skills associated with the Contemporary, Jazz and Cultural dance genres; choreographing dance works with a concept and building the skills to analyse dance. Students will have the opportunity to work on composition pieces in small groups to be performed for their fellow peers. They will also begin to explore improvisation, reflecting critically on Australian dance companies and choreographers.

The skills you learn in this class will also assist you in other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces. Students will have the opportunity to study genres such as Contemporary, Cultural styles, Jazz and Cultural dance.

## Specialised Music (Year long)

**Cost: \$50.00**

Subject Code: 10ASM

The focus of this course is for music students to develop and apply technical instrumental skills to a variety of performance and composition-based tasks. In this course you will learn cover songs and compose your own original songs, to perform at the end of year Music Showcase. You will develop your music theory and responding skills through analysis, theory and aural tasks. This course is designed for iMSS participants and students with prior experience with an instrument or voice, including students who receive lessons outside of school. Students enrolled in this IMSS must select this course.

## General Music (Semester 1 only)

**Cost: \$30.00**

Subject Code: 10AGM

The focus of this course is for music students to develop their skills in performance, composition, aural perception and music theory. Students will develop these skills through group ensemble work such as learning a piece of music in a band style scenario, composition tasks, such as using software to record and edit music, and analysis tasks, such as analysing and critiquing elements of music and musical performances. This course is open to students of varying levels of ability.



# Course Descriptions



## Painting and Printmaking (Semester)

**Cost: \$45.00**

Subject Code: 10A2D

Explore the world of painting and printmaking in Visual Art! This is a fun, hands-on course to explore a range of painting techniques and media, including water colour and acrylic paint. You will be able to bring your ideas to life by exploring the endless combinations of wet and dry techniques and painting on various surfaces, that can be used to create all sorts of interesting effects. Along with this, you can get creative with printmaking techniques, such as lino printing, etching and silk screening, you could make your own t-shirt! Students are given the opportunity to enter their artwork into some of the States most recognised high school art competitions as well as many local community exhibitions. The skills you learn in this class will also assist you in other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

## Ceramics and Sculpture (Semester)

**Cost: \$50.00**

Subject Code: 10A3D

Get hands on and creative in our exciting Ceramics and Sculpture course! Learn all about using clay and creating amazing hand-built ceramics by taking pieces from raw clay through to glazed artworks. Along with this, explore the use of recycled or other materials such as wire or plaster wrap to create 3D sculptural objects. Create mass-produced every-day and creative objects in different styles and designs such as pop art, food sculptures, fantasy and mythology, character designs and monsters. Students are given the opportunity to enter their artwork into some of the states most recognised high school art competitions as well as many local community exhibitions. The skills you learn in this class will also assist you in other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

## Photography (Semester)

**Cost: \$30.00**

Subject Code: 10AMP

This course will introduce you to basic and more advanced photography techniques using DSLR cameras. Using your creative side, you will learn about a variety of photography styles and techniques in order to create a digital photography portfolio. Photography styles and techniques you may discover include landscape, nature, portrait, sports, and infrared photography. These will be used alongside software programs such as Adobe Photoshop, to digitally manipulate photos. This course is an excellent stepping-stone to studying an upper school media arts course, such as ATAR/General Media Production and Analysis, or Certificate II Creative Industries (Media). The skills you learn in this class will also assist you in other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

## Media and Filmmaking (Semester)

**Cost: \$30.00**

Subject Code: 10AMF

The world of film and television awaits you in this exciting course! Learn the skills of Hollywood movie directors, social media content creators, TV stars, camera operators, marketers, journalists. You will expand on your knowledge of planning, filming and editing to create your own productions, which may include music videos, horror and sci-fi films, documentaries, movie posters, green screen and special effects, and much more! This course equips you with many of the skills employers are looking for, including group work, problem-solving, computer and maths skills, analytical skills and time management. This course is an excellent gateway into studying upper school Media Arts, including ATAR, General and industry Certificate courses. This course can be selected in both semesters as the content will be different.



## Languages

Head of Learning Area: Julia Mueller

Email contact: [julia.mueller@education.wa.edu.au](mailto:julia.mueller@education.wa.edu.au)

### German (Year-Long)

**Cost: \$20.00**

Subject Code: 10GLS

Do you want to increase your brain power and become a better global citizen? Then learning German might be the subject for you! With German as an official language in multiple European countries, you will get the opportunity to experience different cultures. Germany has one of the strongest economies in the world with many job opportunities in different areas, making German an excellent choice of language to learn.

You will build and improve on your speaking, reading, writing and listening skills and explore new topics to improve your vocabulary skills learned from previous years of German learning. You will be practicing having conversations with peers to exchange ideas, opinions and experiences.

Begin applying your understanding of the German language to be able to debate or promote a school-wide or community topic using more sustained language skills. You can also create and analyse fiction texts in German.

You might want to enter in a range of languages competitions to compete with others and further develop your skills. There are opportunities to experience German outside of the classroom, such as going to the movies for the German Film Festival, going to German restaurants, learning about German food or going to German career expos! Studying German in Year 10 could lead to studying General or ATAR German in Senior School. As you need a certain number of hours of study to do this, there may be opportunities to join a German Club outside of class time. You may also have the opportunity to go on an excursion to Germany as a Languages student in the future. Become a more active, global citizen by continuing your study of the German language!

It is highly recommended that students selecting German in Year 10 have studied it in Year 9. You might be required to complete extra work to catch up if you didn't study German in a previous year.

## Health and Physical Education

Head of Learning Area: Sarah Lynch

Email contact: sarah.lynch@education.wa.edu.au

### Outdoor Pursuits (Year long)

**Cost: \$70.00**

Subject Code: 10POP

This subject is designed to develop understanding and competence in dealing with the natural environment, with emphasis being placed on self-management and safety. Students will develop their skills in archery, hiking, Trangia cooking, roping, climbing, mountain biking, watercraft and camping skills, along with first aid and risk management, conservation and environmental awareness. This course has both practical and theoretical components. Due to the nature of the activities a high level of personal responsibility and safety is required, therefore selection in this course will be based on student's behaviour records at the College and at the discretion of the HPE department. The anticipated cost of curriculum-based excursions for this course is approximately \$250, which will be required for four excursions and/or camps over the duration of this course. Should payment for these excursions not be made prior to the excursion RSVP date students' attendance at these excursions will not be permitted. Offsite excursions are a part of this course. It is a requirement that students attend.

# Course Descriptions



## Sports Science (Year long)

Cost: \$70.00

Subject Code: 10PSS

Sports Science is designed for students who are enthusiastic about both the practical and theoretical components of physical education in preparation for senior school HPE courses. As well as a skills and gameplay focus, students will also develop their knowledge of a variety of other topics such as Exercise Physiology, Functional Anatomy, Biomechanics and Motor Learning and Coaching.

Practical sessions compliment theoretical lessons with the course running 3 practical sessions and 1 theory session every fortnight over a variety of sporting contexts such as Soccer, Lacrosse, Touch Rugby & Basketball. If you enjoy participating in PE, are curious about how the human body works during physical activity, or are considering a future in the sports industry, this course is suited for you. Whether you're an aspiring athlete, coach, physiotherapist, or sports manager, Year 10 Sport Science will help broaden your understanding of this exciting field.

This course provides foundational knowledge that can be applied to our upper school courses in Year 11 & 12. Sport Science is the starting point that is further explored in Year 11 & 12 ATAR and General PE Studies and Certificate II Sports Coaching.

# Course Descriptions

## Specialised AFL Program (Year long)

Cost: \$70.00

Subject Code: 10PESA      Pre-requisite: Year 9 AFL Specialist or Trial

The AFL Focus Program is for aspiring AFL players to focus on developing the skills, attributes and knowledge needed to play AFL at a high level. The program prepares students with the Sport Science elements involved in AFL consisting of:

- skills, strategies and tactics in AFL
- playing and umpiring, functional anatomy
- injury prevention and management, exercise physiology
- fitness testing and assessment, biomechanics
- technique analysis and motor learning and coaching
- leading AFL training sessions.

The course will be delivered by experienced staff and guest presenters from the South Fremantle Football Club. Students will develop their AFL skills and fitness as well as their knowledge and understanding of the Sport Science components of AFL. This course prepares students with the necessary AFL skills and knowledge to achieve in the senior school pathways of Physical Education Studies at an ATAR or General level.

*Students who are new to Specialised AFL will be required to participate in a trial prior to joining the class.*



# Course Descriptions

## Specialised Netball Program (Year long)

Cost: \$70.00

Subject Code: 10PESN      Pre-requisite: Year 9 Netball Specialist or Trial

The Netball Program is for aspiring netballers focus on developing the skills, attributes and knowledge needed to play netball at a high level. The program prepares students with the Sport Science elements involved in netball consisting of:

- skills, strategies and tactics in netball
- playing and umpiring, functional anatomy
- injury prevention and management, exercise physiology
- fitness testing and assessment, biomechanics technique analysis and motor learning and coaching
- leading netball training sessions.

The course will be delivered by experienced staff and guests presenters from Netball WA. Students will develop their knowledge and understanding of the Sport Science components of netball. Students in the program will form part of the College High Schools' Cup Interschool Netball team, a competition which the Byford Secondary College students have been very successful in during our foundation years. This course prepares students with the necessary netball skills and knowledge to achieve in the senior school pathways of Physical Education Studies at an ATAR or General level.

*Students who are new to Specialised Netball will be required to participate in a trial prior to joining the class.*



## Humanities and Social Sciences

Head of Learning Area: Tim Balfe

Email contact: [timothy.balfe@education.wa.edu.au](mailto:timothy.balfe@education.wa.edu.au)

### **Business and Marketing (Semester)**

**Cost: \$25.00**

Subject Code: 10HBM

Business and Marketing encompasses the theoretical and practical aspects of business in ways students will encounter throughout their lives. It offers learning from the planning of a small business to the management of operations, marketing, finance and human resources in large businesses. Students will investigate the tricks advertisers use to get consumers to buy their products, learn how to establish a small business and develop decision-making skills. As their major task, students will be asked to create their own small business idea and employ the advertising and marketing techniques they have learned to promote and launch their business on a market day. Business and Marketing provides a good introduction to the following ATAR and General courses in Senior School: Economics, Career and Enterprise and Certificate II Business.

### **Criminal Investigations (Year long)**

**Cost: \$50.00**

Subject Code: 10HCI

Criminal Investigations allows students to investigate the exciting world of forensics, law enforcement and criminal psychology. Topics within this course include crime scene investigation, facial imaging and profiling, historical case studies and digital crime. Students will investigate legal issues relevant to youth, as well as Australian and international law. Students will also use a wide variety of software and technology when preparing reports and assignments and develop a broad range of transferrable skills including research, problem-solving, communication, leadership and team-work skills. Criminal Investigations provides a good introduction to the following ATAR and General courses in Senior School: Politics and Law, Career & Enterprise, Modern History and Psychology.

## Humanities and Social Sciences

### Philosophy

**Cost: \$25.00**

Subject Code: 10HP

Philosophy is the study of the fundamental nature of knowledge, reality, and existence. In the Year 10 Elective, the focus is on Ethics and Society. We begin with ethical codes and ask questions like 'How do we decide what is right and wrong?', 'Who should decide?', 'Is morality subjective?', 'Should the majority rule?' and 'Can an act be judged by its consequences?'. We then move into discussions of ethical dilemmas to explore social issues, environmental responsibility and political philosophy. Asking questions like 'What does it mean to lead a good life?', 'What is more important: freedom or equality?', 'Do animals have rights?', 'Can you feel joy without experiencing suffering?', 'Should we bring back the death penalty?' and 'Is it possible to act truly selflessly or are we always being selfish?'

Enjoy discussion and debate as well as the development of your critical thinking skills.

## Science

Head of Learning Area: Hayden McKenna

Email contact: [hayden.mckenna@education.wa.edu.au](mailto:hayden.mckenna@education.wa.edu.au)

### **Powering Careers in Energy (Year long)**

**Cost: \$30.00**

Subject Code: 10SPC

Chevron Australia - Powering Careers in Energy provides students with the opportunity to explore and understand the broad range of career options available within the Oil and Gas industry in WA. Students study five units in all covering a wide variety of aspects of the energy industry. An Introduction to Energy will help introduce students to the role of energy in our community with a focus on aspects of the LNG value chain. Chevron operates in many diverse communities around the globe. Students will have the opportunity to understand and explore cultures as well as develop knowledge about Australian cultural heritage, native title and how these aspects shape the modern resource industry. This program is a fully endorsed program. Successful completion of all units will provide 2 unit equivalents.



## Technologies

Head of Learning Area: Gavan Truschel

Email contact: [gavan.truschel@education.wa.edu.au](mailto:gavan.truschel@education.wa.edu.au)

### Food Science (Semester)

**Cost: \$75.00**

Subject Code: 10TFS

The course allows students to diversify their skills in the kitchen. Students will learn the importance of food safety (particularly when preparing for large groups), the importance of menu planning, different cookery methods and techniques, food presentation, food service, time management as well as improve their knife skills. The course encourages students to work in small and large groups as well as developing confidence in the kitchen. This course is a good introduction course for senior school Certificate II in Hospitality, as well as Food Science and Technology.

### Food Science (Year long)

**Cost: \$150.00**

Subject Code: 10TFSY

Students will develop their knowledge of nutrients and the application of the principles of food safety, preservation, preparation, presentation and sensory perception. Students will prepare a range of nutritious meals with a focus on local foods, as well as a range of ethnic dishes that apply authentic techniques, ingredients and utensils. Being a Year long course, students will also learn the importance of menu planning, different cookery methods and techniques. The course promotes the development of independence, encourages working cooperatively in small or large groups and allows students to develop confidence within the kitchen environment. This course is a good introduction for the senior school Certificate II in Hospitality and the Food Science and Technology course.

# Course Descriptions



## **Caring for Children (Semester)**

**Cost: \$30.00**

Subject Code: 10TCC

The course focuses on early human development from conception to early childhood. Students will learn both prenatal and antenatal care, child developmental milestones and the roles and responsibilities of caregivers. The class offers a practical approach to learning with the students producing play items as well as meals suitable for toddlers. This is a good introduction to the senior school Child, Family and Community course.

## **Fun with Fashion - Textiles (Semester)**

**Cost: \$30.00**

Subject Code: 10TTX

The course focuses on advancing the students machining and overlocker skills as well as using other specialised textile equipment. Style and design are strong components of this course. Through textile art, recycled fabric investigation and embellishment students will be able to express their creativity to produce simple items. Textiles Fun with Fashion is an extension offered in Semester 2. This course is a good introductory course to senior school Materials, Design and Technology-Textiles. Please note that students may be required to purchase their own fabric and materials.

## **Jewellery (Semester)**

**Cost: \$45.00**

Subject Code: 10TJE

This exciting course introduces students to basic jewellery techniques as well as skills and processes such as saw piercing, soldering, filing, attaching findings, buffing, texturing metal, problem solving and sketching used in the creation and fabrication of wearable jewellery and accessories such as ear rings, bracelets, pendants and brooches. Some projects in art metal work will also be possible.

## **Wood Technology (Semester)**

**Cost: \$60.00**

Subject Code: 10TWT

This subject deals with refinement of manipulative skills in the areas of sawing, paring, planning, drilling, lathe work and finishing with both hand and power tools. Students will be required to understand and explain a wide range of related topics as they make individual timber projects. Students will broaden their understanding of natural timber, woodworking skills and the design process. Students must have their own safety glasses.

# Course Descriptions



## Metal Technology (Semester)

**Cost: \$60.00**

Subject Code: 10TMT

Metals Technology is available to students to develop competence with specialised equipment, power tools, hand tools and various metal construction techniques. Students will develop an understanding of a range of metal bending, forming and joining methods, machine tool skills and related theory topics. Fabrication projects will be developed from the design to the construction stage while promoting student's self-confidence and safe working practices. This unit is excellent preparation for any student planning a career in the Metal and Engineering trades. Students must have their own safety glasses.

## Design Graphics (Semester)

**Cost: \$20.00**

Subject Code: 10TDG

This is a consolidation unit which looks at industrial design and develops a student's technical graphics skills with extensive use of computers and digital drawing technology. The course has modern resistant materials at its core with a strong focus on 3D printing, laser cutting and emerging manufacturing techniques. Specific projects may vary and will depend upon material availability and the particular interests of the class. Students must have their own safety glasses.

## Digital Technologies (Semester)

**Cost: \$55.00**

Subject Code: 10TDT

Digital systems are everywhere, mobile and desktop devices and networks are transforming learning, recreational activities, home life and work. Digital systems support new ways of collaborating and communicating, and require new skills. Technologies are an essential problem-solving toolset in our knowledge-based society. This subject includes a study of computer technologies to solve problems and design and make products. Computer technologies includes the use of; internet, email, software, hardware, printers and digital media. This Technology unit specialises in problem-based learning as students construct knowledge by communicating effectively with technologies for a variety of specialised audiences. The subject articulates with the senior courses of Applied Information Technology but is not a prerequisite for this future study. It is also a good introduction for students who may be interested in pursuing a Certificate III or IV in Information Technology or considering Computer Science General/ATAR or Applied Information Technology General/ATAR.

# Course Descriptions



## Robotics Engineering (Semester)

Cost: \$40.00

Subject Code: 10TRE

Building on the basic skills from Year 9 Robotics, students will work in small groups to assemble, program and operate a LEGO 'Mindstorms EV3' robot or similar. They will further develop their ICT skills, linking block-based coding methods with script-based programming languages. Students will write, test and modify code for their robot to perform complex tasks, or autonomously solve real-world problems. Students will modify their robot to perform a greater range of functions and solve more complex problems through advanced coding, design of simple electronic components and 3D printing of physical parts. By doing so, they will develop and apply the STEM capabilities of critical and creative thinking skills and problem-solving. These activities will also promote development of their skills in working collaboratively and in communicating in the context of a small peer group. Whilst it is advantageous that students have studied Robotics in Year 9, all students are welcome to enrol in the Year 10 course.

## Mechatronics – Simple Machines (Semester)

Cost: \$50.00

Subject Code: 10TSM

This exciting course introduces students to the basic engineering principles. Students learn about forces and apply this knowledge in practical projects such as CO2 Dragsters and Simple Machines. The critical and creative thinking, problem solving and collaboration skills practiced in this STEM course will be invaluable for 21st century learners and lead to multiple career pathways in the Engineering field.



57 Abernethy Road,  
Byford WA 6122  
9526 7700  
[byford.sc@education.wa.edu.au](mailto:byford.sc@education.wa.edu.au)  
[www.byfordsc.wa.edu.au/](http://www.byfordsc.wa.edu.au/)

