



# YEAR 10 SUBJECT SELECTION HANDBOOK 2024

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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 2024. 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 2024 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 25TH AUGUST.***

# Course Summary

## Year 10 Course Selection 2024

	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		
<b>Elective Courses</b>	The Arts	10ADR	Drama
		10DD	Dance (Year Long)
		10ASD	Cheer-Dance (Year Long)
		10ASM	Specialised Music (Year Long)
		10AGM	General Music (Semester 1 only)
		10A2D	2D Visual Art
		10A3D	3D Visual Art
		10AMP	Photography
		10AMF	Media and Filmmaking
	English	10EDB	Debating
		10ECW	Creative Writing
	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)
	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



# Course Descriptions

## The Arts

Head of Learning Area: Craig Miles

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### Drama (Semester)

**Cost: \$20.00**

Subject Code: 10ADR

In this course students will develop the skills to bring a script to life and devise their own original piece. Students will work in small groups to complete the practical tasks, which suited to students who have a strong interest in acting and non-acting roles such as, costume, sound and set design, as well as those who may be considering a future career in the Arts industry. Students will create plays inspired by teenage issues and acting for TV/Film and learn about Theatre of the Absurd (comedic styles) and parody.



# Course Descriptions



## Dance (Year Long)

Cost: \$60.00

Subject Code: 10ADD

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.

## Cheer - Dance (Year long)

Cost: \$150.00

Subject Code: 10ASD

The Year 10 Cheer-Dance program is an excellent introduction to learn the foundations of cheerleading in a safe and fun atmosphere. Cheerleading is a performance-based sport that combines elements of gymnastics, acrobatics and dance. It is the ultimate team sport that develops communication, confidence, coordination and trust. Students will be taught by highly qualified teaching and coaching staff to national competition standards. You will learn the basic skills in tumbling, stunting, jumping, strength, flexibility and fitness, along with working towards a cheer and pom routine to compete at local state competitions throughout the year.

# Course Descriptions

## 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



## 2D Visual Art (Semester)

**Cost: \$45.00**

Subject Code: 10A2D

Take your drawing, printing and painting skills to the next level in this fun and engaging Visual Arts course. This course is designed for students who wish to unlock their creative potential by developing their artistic skills in the area of printmaking, painting and drawing. As a fun, hands-on course, you will 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! This course will prepare you for each of the Senior School Visual Arts courses. No previous knowledge or special skills are required.

## 3D Visual Art (Semester)

**Cost: \$50.00**

Subject Code: 10A3D

In 3D Visual Art students will have the opportunity to further explore hands on practical learning in a range of studio areas such as, Ceramics, Sculpture and Mosaics. Learn all about using clay and creating amazing hand-built sculptures by taking pieces from raw clay through to glazed artworks, while learning to load the kiln and firing your work yourself!

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. This course will prepare you for each of the Senior School Visual Arts courses.



# Course Descriptions



## 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.

## English

Head of Learning Area: Melissa Coombe

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### Debating ( Semester)

**Cost: \$30.00**

Subject Code: 10EDB

In this dynamic course, students will develop confidence in public speaking, critical thinking and teamwork. Students will have opportunities to compete against teams within the class, as well as teams from other schools in the WA Debating League. Debating skills are very useful in other learning areas and are particularly important in English. Please note, competitions will be held out of school hours.

### Creative Writing (Semester)

**Cost: \$40.00**

Subject Code: 10ECW

In this course, students will explore a range of fictional texts (dystopic, fantasy etc.) to develop their own story telling skills. This dynamic course will support understanding of character, scenario, genre, issues, plot structure and voice, in order to provide students with the ability to refine and build on their creative writing talents. Opportunities will be provided for completed creative pieces to be submitted for writing competitions. Students will also be inspired by the works of local writers as they participate in excursions to meet professional writers. This course is highly recommended for students interested in studying ATAR English.

## Health and Physical Education

Head of Learning Area: Annalysse Lazzari

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### Outdoor Pursuits (Semester)

**Cost: \$60.00**

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 hiking, orienteering, trangia cooking, roping and camping skills, along with first aid and risk management, conservation and environmental awareness. Students will also undertake outdoor recreational sports such as archery and mountain biking. 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 \$200, which will be required for excursions 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.

### Sports Science (Year long)

**Cost: \$70.00**

Subject Code: 10PSS

Sports Science is an extension course that aims to prepare students for the rigors of 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 Coaching and Umpiring, Exercise Physiology, Anatomy, Biomechanics and Sports Psychology.

As part of this course, students will be provided specialist coaching in rowing at Champion Lakes. The skills and concepts covered in theory align seamlessly with the rowing component. The offsite aspect of this course is a requirement that students are expected to attend.

# 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.*





# Course Descriptions



## Humanities and Social Sciences

Head of Learning Area: Sharni Cooper-Angell

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### **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.

# Course Descriptions



## Science

Head of Learning Area: Hayden McKenna

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### 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

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### 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.



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