



BYFORD
SECONDARY COLLEGE



**YEAR 9
SUBJECT SELECTION
HANDBOOK**

ASPIRE TO EXCELLENCE

Year 9 Elective Subject Selection Information

This booklet outlines the elective courses available to students entering Year 9 in 2021. 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 9 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 begin to study specialised courses.

Compulsory Courses are made up of:

- English
 - Humanities and Social Sciences
 - Mathematics
 - Science
 - Health and Physical Education
 - Career Pathways
- } Studied for 4 hours per week
- } Studied for 1 hour per week

Elective Courses are made up of:

- English: consisting of Creative Writing
- Mathematics: consisting of Robotic Engineering
- Science: consisting of Astronomy
- Physical Education: consisting of Outdoor Pursuits and Sports Science General
- Technology and Enterprise: consisting of Design and Technology, Digital Technology and Home Economics
- The Arts: consisting of Performing Arts, Media Arts and Visual Arts

These courses are studied for 2 hours per week, per course and students typically select 2 courses per Semester.

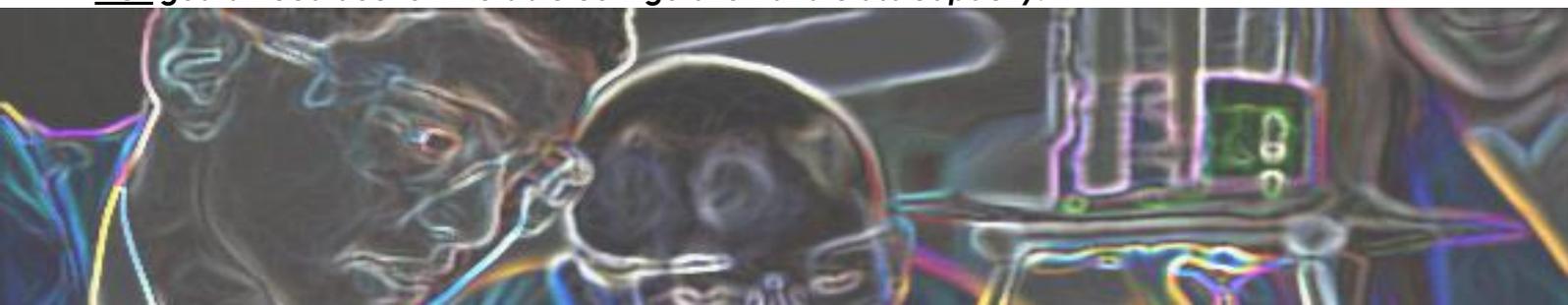
Specialised Courses

The areas in which a student can specialise in 2021 are:

- Dance
- Music
- Sports Science – AFL and Netball

Specialisation is recognised as a student studying the subject throughout the Year rather than just a Semester. There may be a trial or audition process to gain entry into these subjects.

In cases where a critical number of students selecting an elective course is not reached, this elective course may not run and students will be required to reselect. All Primary preferences are NOT guaranteed due to timetable configuration and class capacity.



Summary of Elective Courses Available for Year 9, 2021

Learning Area	Course	Duration	Proposed Cost
English			
	Creative Writing	Semester 1	\$40.00
	Follow the Dragon	Semester 2	\$60.00
Mathematics			
	Robotics Engineering	Semester	\$30.00
Science			
	Introductory Astronomy	Semester	\$30.00
Health and Physical Education			
	Outdoor Pursuits	Semester	\$60.00
	Sports Science - General	Year	\$60.00
	Sports Science - AFL	Year	\$60.00
	Sports Science - Netball	Year	\$60.00
Technologies			
	Design Graphics	Semester	\$20.00
	Digital Technologies	Semester	\$45.00
	Food Science – Fun with Foods	Semester	\$65.00
	Food Science – Fun and Fitness	Semester	\$65.00
	Fun with Fabrics	Semester	\$30.00
	Jewellery	Semester	\$45.00
	Metal Technology	Semester	\$45.00
	Wood Technology	Semester	\$45.00
The Arts			
Performing Arts	Dare to Dance	Semester	\$20.00
	General Music	Semester 1	\$25.00
	Performing Drama	Semester	\$20.00
	Specialised Dance	Year	\$40.00
	Specialised Music	Semester 2	\$35.00
Media Arts	Digital Art	Semester	\$25.00
	Gaming	Semester	\$40.00
	Hollywood	Semester	\$35.00
	Photography	Semester	\$20.00
Visual Arts	2D Visual Arts	Semester	\$45.00
	3D Visual Arts	Semester	\$50.00

English

Creative Writing (Semester 1)

Proposed Cost: \$40.00

An introduction to creative writing. This unit begins the journey into the world of imaginary texts. Students will explore how language can be adapted for different creative forms, song, poetry, short story, autobiography in different modes, oral and written and multimodal. Students will aim to contribute a piece for a competition.

Follow the Dragon (Semester 2)

Proposed Cost: \$60.00

Developing our skills from Semester 1 or as a discrete unit, 'Following the dragon,' looks at classic story genres and structure. A unit that allows students to craft, edit and publish a completed piece for competition. The inspiration will also come from professional writers as we partake in an excursion with a specialist.

Mathematics

Robotics Engineering (Semester)

Proposed Cost: \$30.00

This is a beginning course in Robotics. We will be utilising Lego EV3 kits, Lego Mindstorms Software and various other Lego Robotics Materials.

Our students will be entering a workforce in the future that will be dramatically changed to that of today, where many repetitive tasks are being automated and replaced by robots. In order to prepare students for the jobs of the future the Year 9 Robotics course develops STEM skills through introducing students to computer programming, robotics design and instruction and the use of technology within business, industry and our personal lives. It will provide the foundation skills for later studies in Robotics 2, to be offered in Year 10, 2022.

The objective of this course is to introduce students to basic programming as well as problem solving strategies. This course will involve students in the development, building and programming of Lego EV3 robots. Students will work hands-on in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, decision making, timing sequences and propulsion systems.

Students will learn, understand and apply the following:

- How to collaborate in groups and teams
- How to design robots for specific activities and scenarios
- How to use the Lego Mindstorms programming software
- To design, develop and complete automated activities and challenge



Science

Introductory Astronomy (Semester)

Proposed Cost: \$30.00

Astronomy and astrophysics are at the forefront of scientific discovery, with Western Australia becoming a centre of excellence throughout the world in this field. Students will gain an understanding of several astrophysical theories and practices. The history of astronomy and its cultural impacts are also explored. At the same time, students will improve their research and analytical skills, and develop an understanding of recent advances made within astronomy and astrophysics.

Health and Physical Education

Outdoor Pursuits (Semester)

Proposed Cost: \$60.00

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, first aid and risk management, conservation and environmental awareness, tranga cooking, roping and camping skills.

Students will also undertake outdoor recreational sports such as Archery and Rowing. 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 PE department.

The anticipated cost for 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.

Sports Science General (Year)

Proposed Cost: \$60.00

The Sports Science group will have the opportunity to undertake additional Physical Education lessons on select focus sports and best prepare students for subjects on offer in upper school from the HPE department such as Physical Education Studies. As well as a skills and gameplay focus students will also have the opportunity to develop their knowledge of a variety of other topics such as:

- Coaching and Umpiring
- Exercise Physiology
- Anatomy
- Biomechanics
- Sports Psychology



Sports Science – AFL (Year)

Proposed Cost: \$60.00

The AFL Focus Program is an opportunity for aspiring AFL players to undertake two sessions per week (in addition to their normal Physical Education) with a focus on developing the skills, attributes and knowledge needed to play AFL at a high level.

The program also 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
- Motor Learning and Coaching – Leading AFL training sessions



The course will be delivered by staff with many years of playing and coaching AFL at varying levels as well as using links from our zoned WAFL club, the South Fremantle Football Club. Students will have access to a full size AFL oval at Byford Secondary College and also the state of the art Byford Secondary College Fitness Centre where students will develop their AFL skills and fitness and also their knowledge and understanding of the Sport Science components of AFL.

Sports Science – Netball (Year)

Proposed Cost: \$60.00

The Netball Focus Program is an opportunity for aspiring Netballers to undertake two sessions per week (in addition to their normal Physical Education) with a focus on developing the skills, attributes and knowledge needed to play Netball at a high level.

The program also 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
- Motor Learning and Coaching – Leading Netball training sessions



The course will be delivered by staff with many years of playing and coaching Netball at varying levels as well as using links from Netball WA. Students will have access to indoor and outdoor netball courts at Byford Secondary College and also the state of the art Byford Secondary College Fitness Centre where students will develop their netball skills & fitness and also their knowledge and understanding of the Sport Science components of netball. Students in the program will form the base 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.

These courses best prepare students with the necessary AFL/ Netball skills and knowledge to achieve in the senior school pathways of Physical Education Studies at an ATAR or General level.

Students who have not previously been part of the AFL or Netball program should see the Health and PE Learning Area Leader as a trial will be required.

Technology and Enterprise

Design Graphics (Semester)

Proposed Cost: \$20.00

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

Digital Technologies (Semester)

Proposed Cost: \$45.00

In Year 9 the course is optional for students. The focus will not only be on Digital Design, but Digital Creation and incorporate project management strategies in planning, designing and implementing digital technology solutions to a given challenge. Students will learn to apply suitable technology for intended audience such as mobile development, game development, web design, and application development. Some of the areas that will be covered:

- Multimedia and Animation
- Phone and Game Applications
- Applications Software
- Coding and Game design
- Computer Programming
- Applied information Technology

Food Science – Fun with Foods (Semester)

Proposed Cost: \$65.00

In Year 9, students study Food Technology, "Fun with Foods" for one semester. The course allows students to further develop skills taught in Year 8 as well as choose and prepare foods for health. The course focuses on analysing personal food intake, interpreting food labels and advertising of fast foods. Students also learn about home-made versus commercially prepared foods in regards to cost, nutritional value, time, taste and appearance. This course promotes the development of independence, encourages working cooperatively in small or large groups and allows students to develop confidence within the kitchen environment.

Please note that students are required to bring a container to store their food.

Food Science – Fun and Fitness (Semester)

Proposed Cost: \$65.00

Students study "Food and Fitness" for one semester. The course allows students to further develop their practical skills, enhance their nutritional knowledge in the area of health and fitness and produce suitable meals and snacks for optimal sport and fitness performance. Students will investigate nutritional needs of athletes, energy balance as well as pre and post competition meals. This course encourages working cooperatively in small and large groups and enhances students' confidence in the kitchen.

Please note that students are required to bring a container to store their food.

Fun with Fabrics (Semester)

Proposed Cost: \$30.00



In Year 9, students study “Fun with Fabrics” for one semester. This course allows students to further develop their machining skills as well as learn how to use the overlocker to further diversify their skills. Students will explore a variety of fabrics; their construction, feel and fibre content and through learning different decorative techniques, students will construct items such as little monsters, mini patchwork cushions and simple clothing items.

Please note that students may be required to supply their own fabric and basic sewing equipment.

Jewellery (Semester)

Proposed Cost: \$45.00

This exciting course introduces students to basic jewellery techniques, 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.

Metal Technology (Semester)

Proposed Cost: \$45.00

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.

Wood Technology (Semester)

Proposed Cost: \$45.00

This subject deals with refinement of manipulative skills in the areas of marking, 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 designing process.

Students must have their own safety glasses.



The Arts

Performing Arts

Dare to Dance (Semester)

Proposed Cost: \$20.00

Year 9 Dance students will be focusing on skills associated with the Contemporary and Hip Hop 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 STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

Students can choose Dare to Dance in both Semester 1 and 2, as different contexts are explored.

General Music (Semester)

Proposed Cost: \$25.00

Want to learn how to create electronic music? Want to learn how to play a song of your choice? Then this course might be for you. This course has a focus on digital composition and developing basic skills on a variety of instruments such as: keyboard, guitar, bass guitar and drum kit. In this course you will have the opportunity to create your own digital composition and learn songs solo and as a group. Prior experience on an instrument is not necessary for this course and is open to students of any range of ability. Instrumental Music students have the option to take this course in Semester 1, in addition to Specialised Music in Semester 2.



It is not a requirement that students can play a musical instrument to enrol in this course.

Performing Drama (Semester)

Proposed Cost: \$20.00

In this course, students will develop the skills to bring a script to life and devise their own original piece. This is a practical course where students will learn basic acting and performance skills and apply this knowledge to mounting a theatre performance using an existing script. They may also learn and apply the practical and technical skills of costume design, set design, lighting and sound. The practical nature of the course is suited to students who have a strong interest in acting and non-acting roles and who may consider this a pathway for a future career in the Arts industry. Visits to professional theatre venues and performances may form part of this course. The skills you learn in this class will also assist you in STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

Please note this course will have different content in Semester 1 and 2, therefore it can be chosen in both.

Specialised Dance (Year)

Proposed Cost: \$40.00

Year 9 Dance students will focus on beginning to develop complex skills and techniques acquired in Contemporary, Hip Hop, improvisation and performance with an emphasis on the development of composition. The theoretical focus is on dance analysis and Australian contemporary dance companies as well as research on anatomy, biomechanics and safe dance practices. Students will attend at least one live dance performance as an excursion. This course is aimed at students who already have some dance knowledge or experience. The skills you learn in this class will also assist you in STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

Please note: This is a full year unit and students must participate in the program for the end of year concert. Participation in performance and concerts is COMPULSORY.

Specialised Music (Semester)

Proposed Cost: \$35.00

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. In addition, there is also the opportunity to develop your music theory and responding skills through analysis, theory and aural tasks. This class applies the skills Instrumental Music students learn in their lessons and ensemble to practical and theory-based tasks in class.

This course is designed for instrumental music students and students with strong existing skills on an instrument or voice, including students who receive lessons outside of school or students who were previously in the instrumental music program.

Students enrolled in this IMSS (Instrumental Music) must select this course.

Media Arts

Digital Art (Semester)

Proposed Cost: \$25.00

Do you want to improve your digital photography skills or learn more about photo manipulation or digital illustration? During this course you will explore a range of skills and technologies used to create digital artworks. We will be exploring programs such as Adobe Photoshop and Illustrator. Use equipment such as DSLR cameras and iPads. This would also be an excellent course for students who are interested in Graphic Design, Media Arts, drawing and Painting. The skills you learn in this class will also assist you in STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

Gaming (Semester)

Proposed Cost: \$40.00

This exciting gaming course will introduce you to the world of production and analysis of video games. You will learn to design basic games on software such as Gamemaker, as well as familiarising yourself with game design concepts. You may also learn other aspects of video game design, such as creating characters, worlds and narratives. Along with this, you will learn about video games in filmmaking and may create other productions, such as a live-action video game and video game review.

Get involved in this exciting and unique course to broaden your horizons about the Media Arts industry! This course is a great way to start to specialise in the areas of Media Arts you are interested in to work towards Year 10, 11 and 12 Media subjects. The skills you learn in this class will also assist you in STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

Hollywood (Semester)

Proposed Cost: \$35.00

Welcome to the exciting world of Hollywood! You will build on your Year 8 Media Arts knowledge to create productions in styles that you'd see in blockbuster film and television. You will create an action chase scene using a range of equipment, as well as learn about multi-camera setups and television drama/sitcoms. You may work with Drama students in the television unit to create your multi-camera production. This will help build vital skills that you could use in future Media Arts course or in the media industry. The skills you learn in this class will also assist you in STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

Photography (Semester)

Proposed Cost: \$20.00

This course will introduce you to the basic concepts of using DSLR cameras. You will explore creative aspects of photography, such as exposure, composition, focus, light and colour. Types of photography you may focus on include landscape and nature photography, portrait photography, sports photography and movement, infrared photography or Lomography. This is a fun and exciting course where you can bring out your creative side to improve your photographic techniques and understandings.



This course is a great way to start to specialise in the areas of Media Arts you are interested in, to work towards Year 10, 11 and 12 Media subjects. The skills you learn in this class will also assist you in STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

Visual Arts

2D Visual Art (Semester)

Proposed Cost: \$45.00

In 2D Visual Art students will have the opportunity to further explore hands on practical learning in the following range of studio areas. Students will explore a range of painting techniques and media, including water colour and acrylic paint. They will learn specific drawing skills and techniques to develop painting and print projects. Students will learn the skills and techniques required to create multiple images of their individual designs using a variety of printmaking processes such as silk screen, relief and lino printing. Students will explore the endless combinations of wet and dry painting and print materials, various surfaces, paints and collage materials that can be used to create all sorts of interesting effects.

In this semester long course students will have the opportunity to learn about compositional arrangement for both Drawing, Print and Painting. Students will develop an appreciation of their own artwork and that of other artists and cultures, and will be able to record the development of each project in their A3 Art Folio.



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 STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

3D Visual Art (Semester)

Proposed Cost: \$50.00

In 3D Visual Art students will have the opportunity to further explore hands on practical learning in a range of studio areas.

Ceramics and Sculpture is concerned with creating functional artworks and/or sculptural forms. Students will learn how to create three dimensional artworks in a variety of materials such as clay, glass, paper-mâché, wire, and recycled objects whilst exploring form and space. Students will record the development of each project in their A3 Art folio. This is a practical, hands-on subject that allows for the design and creation of a range of hand built 3 dimensional artworks. In the ceramics unit students will have the opportunity to take pieces from raw clay through to fired, glazed pieces. Functional as well as sculptural techniques will be explored.

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 STEM and other career pathways, with critical and creative thinking, problem solving & collaboration being essential skills in all workplaces.

Selection of Subjects

Subjects will be selected using Subject Selection Online (SSO) which can be accessed from the College website and located under College Systems → Quick Links. The system will open on Monday 10th August 2020 and close Friday 21st August 2020. An email containing information on how to log in to SSO will be sent to parents in Week 3. For those who have limited or no connection to the internet at home, bookings may be made to access a computer at the College by contacting 9550 6100.



For more information on the offered subjects, students are encouraged to speak with the Learning Area Leader of the subject.

Department	Learning Area Leader
English	Ms. Tysoe Richmond
Maths	Mr. Ray Scata
Science	Ms. Nicola Newbegin
Humanities and Social Sciences	Ms. Adele Leask
Health and Physical Education	Ms. Lauren Wheeler
Technology and Enterprise	Mr. Gavan Truschel
The Arts	Ms. Kylie Trayler

