

Year 9 2019

Subject Selection Handbook



Year 9 Elective Selection Information

This booklet outlines the elective courses available to students entering Year 9 in 2019. 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

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| <ul style="list-style-type: none">• Humanities and Social Sciences• English• Maths• Science• Health and Physical Education and Pastoral Care• Career Pathways | <p>Studied for 4 hours per week</p> <p>Studied for 1 hour per week</p> |
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ELECTIVE COURSES are made up of

- The Arts – consisting of Visual and Performing arts for example, media, music, visual arts and drama.
- Technology and Enterprise – consisting of Design and Technology or Home Economics for example woodwork, metal work, cooking and textiles.
- Physical education – consisting of sport science and outdoor pursuits.
- English – consisting of creative writing.

These are studied for 2 hours per week per choice- students typically choose 2 per semester:

- Science – Astronomy
- Mathematics – Robotics
- Humanities – Environmental Studies

SPECIALISED COURSES

The areas in which a student can specialise in 2019 are

- Sport Science – AFL, Netball and General
- Music

These programs are described in more detail elsewhere in this handbook. Specialisation is recognised as a student studying the subject throughout the year rather than for a semester.

Please ensure that a 50% deposit of the total cost of all electives chosen, is paid to the College no later than 9th November 2018. Non-payment may result in reselection to a lower cost elective.

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.

Music for Fun (Semester)

Proposed Cost: \$25.00

Want to learn how to create electronic music in Garage band? Want to learn and write songs in a band? Then this course might be for you. The focus of this course is for music students to develop their performance skills (solo and ensemble) through practical, band focused, rehearsals and performances. This will be achieved by students learning to write their own songs as well as playing cover songs of their choice. Students participating in this course will also be required to develop a range of aural, theory and music analysis skills by analysing the history of music and the stylistic features of the genres of popular music. All of the above components of the music course are compulsory and students must complete these components as a part of their Year 9 music studies.

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

Performing Drama (Semester)

Proposed Cost: \$25.00

In this course, students will develop the skills to bring a script to life. 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. Participation in this course will allow students the opportunity to audition for future school productions. They will also learn and apply the practical and technical skills of theatre, costume and makeup design; set design and construction; lighting and sound; marketing as well as backstage and front of house roles in the Performing Arts Centre. Students from this course will form the crews for the school production season. The practical nature of the course is suited to students who have a strong interest in 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 will form part of this course.

Dare to Dance (Semester)

Proposed Cost: \$35.00

Year 9 Dance students will be focusing on skills associated with the Contemporary and Street Jazz 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.

Sports Dance (Semester)

Proposed Cost: \$25.00

Just Love to dance for fun? Trying to improve your health in a fun environment with friends? In this class you will be working on developing your dance technique with a focus on health and wellbeing. This class will focus on Dance for health like Zumba and Latin Dance then leads into other styles like cheer leading and hip hop dance technique. Each task will focus on a different style of dance while improving your health, wellbeing, flexibility and strength. Students will be supported at different technique levels to ensure that each student receives the attention that he or she needs. This class will help students understand what it is like to dance with a group. This will give them the opportunity to dance alongside other dancers while developing their own craft. Dancers will have the opportunity to learn different dance styles with a final performance at a showcase event.

Specialised Music (Year)

Proposed Cost: \$35.00

The focus of this course is for music students to develop their skills in Performance (solo and choral), aural, theoretical music knowledge, literature of music composition, arranging, choir and Band. Students continue learning chosen instrument and contribute to class music performances, instrumental sessions, and ensemble music workshops. All three components of the music course are compulsory. Students must complete all components as a part of their Year 9 intensive music studies. **Students enrolled in this IMSS (Instrumental Music) must select this course.**

The Arts - Media

Multimedia (Semester)

Proposed Cost: \$35.00

This is an exciting course aimed at creating rounded Media Arts students. You will create productions in forms such as film, television, photography, animation and print. In film and television, you will work to write scripts to create, film and edit engaging and creative narratives. You will also learn more about special effects and the magic of cinema!

You will also study other areas of media, including learning photography design skills with DSLRs, 2D or 3D animation techniques and create movie posters.

You will be expected to participate in all aspects of this year-long course that is designed to prepare students for upper school Media pathways, including ATAR, General and Certificate courses.

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 will be working 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 Arts – Visual Arts

2D Visual Art Painting and Printmaking (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.



3D Visual Art Sculpture & Ceramics (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.

Smile for the Camera! (Semester)

Proposed Cost \$35.00

I just want to take better photos and learn industry skills that could help me get a career in the Creative Arts! This is a beginners Digital Photography class for students who want to learn how to use their phone, iPad and DSLR's camera better to produce graphics, media and artworks. Students will learn the technical aspects of DSLR camera use such as shutter speed, aperture, ISO and flash, as well as artistic approaches to lighting and composition. Students who own their own DSLR cameras are encouraged to bring them to class. Otherwise, cameras will be provided. This would also be an excellent course for students who are also interested in Graphic Arts, Media Arts, Drawing and Painting.



Health and Physical Education

Outdoor Pursuits (Semester)

Proposed Cost: \$50.00

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, tranguia cooking, roping, rock climbing and camping skills.



Students will also undertake outdoor recreational sports such as archery and bocce. 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 Specialist 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 Focus Program (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.

Students in the program will form the base of the College's interschool AFL team, a competition which the Year 8/9 team were successful in winning in 2017.

This course best 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.

Sports Science: Netball Focus Program (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.

This course best 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.

Technology and Enterprise

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 will focus on analysing personal food intake, interpreting food labels and advertising of fast foods. Students will 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 each lesson.

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.

The Independent You (Semester)

Proposed Cost: \$20.00

In Year 9, students study “The Independent You” for one semester. This course focusses on developing students to understand their role as part of the community. Students learn to take care of themselves both physically and mentally to empower and promote positive self-image and life skills. The course allows students to take on a practical approach by producing a meal and learning how to care for their personal belongings.

Please note that students may be required to purchase their own fabric and materials.

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 will be required to supply their own fabric and basic sewing equipment.





Wood Technology (Semester)

Proposed Cost: \$45.00

This subject deals with refinement of manipulative skills in the areas of marking, sawing, paring, planing, 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.

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.

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.

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.

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 Programing
- Applied information Technology

Humanities - English

Writing Short Stories and Poetry (Semester)

Proposed Cost: \$35.00

During this Semester program, you will read, discuss and a range of text types with a focus on local and international short stories and poetry. You will learn how to publish a creative piece of work while meeting and learning from published authors. You are also encouraged to enter a range of writing competitions for young authors (see the competition list). Finally, you will also have the opportunity to attend a creative writing workshop with a published author!

Writing Non Fiction (Semester)

Proposed Cost: \$35.00

During this Semester program, you will read, discuss and explore a range of text types with a focus on writing non-fiction such as memoir, blogs, and feature articles for a youth market. You will learn how to publish a creative piece of work while meeting and learning from published authors. You are also encouraged to enter a range of writing competitions for young authors (see the competition list). Finally, you will also have the opportunity to attend a creative writing workshop with a published author!

Focus: Reading to Learn About the World (Semester)

Proposed Cost: \$35.00

This unit will encourage students to explore novels, short stories and non-fiction to cultivate further knowledge of the world. It will include texts from different countries/cultures and explore texts in genres not often read by students (interactive and traditional feature articles and investigative journalism for example).

Assessment types: responses to texts (written and spoken/videoed), reviews to be shared at school and online.

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. We will be particularly looking at radio astronomy as we will be analysing radio data from the MWA as part of a project with Curtin University and CSIRO.

Humanities & Social Science

Animal Welfare (Semester)

Proposed Cost: \$25.00

The suburb of Byford is a unique context where the rural and the urban environment meet. Within this area, native animals clash with domesticated animals. Animal Care as an elective allows students to learn more about our local dry sclerophyll forest and its local inhabitants, the threats posed to this environment and the sustainable actions we can take to protect this area. This unit will give students seeking a future in animal care industries an opportunity to explore their local environment and meet experts already in the industry.

Excursion/s:

- Armadale Reptile Centre
- Peel Zoo
- Potential Community Links:
- Armadale Community Animal Rescue Inc. (Kelmscott)
- Animal Protection Society of W.A. (Southern River)

Sustainability (Semester)

Proposed Cost: \$25.00

Sustainability – The Green Team is an elective targeting students who want to learn more about sustainable actions and be a part of making changes occur in Byford Secondary College. The course teaches students how to plan and undertake community actions, build awareness and gather results. This elective will allow students who are passionate about taking action to be a part of a group of like-minded individuals to make a difference each semester.

Mathematics

Robotics Engineering 1 (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, 2020.

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



Selection of Subjects

Subjects will be selected using School **Subject Selections Online (SSO)**. The system will open on **Thursday 11th October 2018 and will close Wednesday 17th October 2018.**

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 the College on 9550 6100.

Payment Options for Deposit for Electives for 2019

Please ensure that a 50% deposit of each elective chosen, is paid to the College no later than **Friday 9 November 2018**. Students who selected these classes and have not paid the deposit by this due date may be required to reselect their elective/s.

Please ensure the following information is entered in the details section:

Student Name, Yr, 2019
(e.g: John Smith Yr9 2019)

The College makes provision for the following payment options:

- Internet Banking to: BSB: 066040 Account No: 19904314.
- Credit Card: Visa or MasterCard only, by completing the information on this form:

<input type="checkbox"/> Mastercard	<input type="checkbox"/> Visa	Amount	<input type="text" value="\$"/>
Card Number	Expiry Date: /		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Please print name:			
Signature		Date:	

- In person during College office hours.

Note: 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.