

Year 10 Academic Program Information 2024





INTRODUCTION

The Year 10 curriculum is composed of compulsory (core) areas and specialist areas. From 2024, students will study three periods of English, Humanities, Mathematics and Science: one period of RAPS, two periods of Health and Physical Education each week. In addition, students have the opportunity to select between two and four specialist courses. Courses are designed into semesters, with the exception of French. Courses can be taken for 1 or 2 Semesters. A number of courses can only be selected for one semester.

In order to allow students greater specialization, and breadth students may initially select any combinations of specialist courses available on the timetable. Students are asked to select the two most preferred courses as Semester 1 course. Students can then select one or two different courses for Semester 2. Therefore, a student could study:

- The same two courses for the full year
- One course for the full year and two other courses for one semester each
- Four courses over the year, two different courses each semester

Once students have submitted their preferences on-line using the Web Preferences System, a timetable grid will be established, based on student interests and on the competing requirements of other Year Groups. Unfortunately, it is likely that due to staffing and rooming constraints, **not all combinations will be possible within the timetable**. The School does offer a number of co-curricular activities and after-school activities to complement these Specialist courses. To ensure equity where a course is oversubscribed, students will be allocated one semester of the course.

Unfortunately, if insufficient numbers are selected for a course, it may not run in 2024.

Students will be asked to indicate their interest using the Web Preferences on-line system. Students have received information on accessing the system during a briefing session at school. Each student will receive a personalised access code and pin number. This is the same system that students used last year.

Once preferences have been entered, Parents are requested to print off two copies of the receipt and sign one copy. Students are asked to bring this receipt to Administration. It is important that parents are fully informed so we insist students should return the signed receipt to ensure this occurs.

In Term 4 students will receive a Course Confirmation notice or new grid selection form when grids and classes have been finalised. This is likely to happen during Week 4 of Term 4. Where initial preferences are available, students will receive a Course Confirmation Notice. Where students need to reselect one or more courses where necessary due to timetable constraints a Selection Grid will be provided.



Specialist courses available for 2024

HEALTH & PHYSICAL EDUCATION
Physical Education Studies (One Semester only)
Outdoor Education * (One Semester only)
LANGUAGES
French (Year only)
PERFORMING ARTS
Drama
Music
Dance *
TECHNOLOGIES AND CREATIVE INDUSTRIES
Media
Visual Arts
Digital Technology
Food Technology
Design
Materials Design & Technology – Wood (One Semester only)
Materials Design & Technology – Engineering (Metal)
Material Design & Technology - Textiles

(*) New in 2024

The timetable for developing the **2024** Year 10 Specialist Grid is as follows:

Monday, 18 September	Students briefed at School and Web Preferences details distributed
** Friday, 22 September	Final date for preliminary selections
Monday, 23 October	Proposed date for Selection Grid & Selections distributed
Friday, 30 October	Final Selections due
Monday, 6 November	Course Confirmation

* *The Preliminary Selections are used to generate the timetable. **If students' interests do not match the timetable, they may be asked to make a new selection based on the developing timetable.*

This booklet gives a brief outline of the options which **may** be available in the **2024** Year 10 specialist courses. The timetable grid will be established based on students' interest in Semester 1. Therefore, students should select their two most important courses for Semester 1. Students can move between courses within the set grid for Semester 2.

Mr David White | Director of Studies

SPECIALIST COURSES

HEALTH AND PHYSICAL EDUCATION

Outdoor Education *
Physical Education Studies

LANGUAGES

French

PERFORMING ARTS

Dance *
Drama
Music

TECHNOLOGIES AND CREATIVE INDUSTRIES

Design
Digital Technology
Food Technology
Materials Design & Technology – Engineering (Metal)
Materials Design & Technology – Wood
Materials Design & Technology – Textiles
Media
Visual Arts



HEALTH & PHYSICAL EDUCATION

OUTDOOR EDUCATION

PHYSICAL EDUCATION STUDIES





OUTDOOR EDUCATION

Through interaction with the natural world, Outdoor Education aims to develop an understanding of our relationships with the environment. Physical activities such as canoeing, bush walking, paddle boarding, mountain biking and creating shelters while enjoying and respecting the outdoors will be a major focus. The Outdoor Education course focuses on outdoor activities in a range of environments to provide opportunities for experiential learning. It provides students with an opportunity to develop essential life skills and physical activity skills, and an opportunity to further develop an appreciation of nature. The BCGS bushland and tracks, local waterways and nature reserves are all valuable resources that may be utilised. The course also provides students with opportunities to develop skills that will enable them to pursue personal interests and careers in outdoor pursuits, environmental management, or eco-tourism. It is also hoped that having done this course students will be more likely to want to have an outdoor activity as an important part of their lifestyle after leaving school and will be better prepared continue their learning this subject in Years 11 &12.

PRACTICAL COMPONENT

The practical component of the course involves students learning the skills, safety considerations and accepted protocols. The practical units covered each year may vary depending on the interests of the group, the resources and venues available and the preferences of the teacher. Units may also vary in duration but one unit per term is generally suitable for most activities. The following is a guide to the likely types of activities and will be dependent on the interests of the group.

- Canoeing, mountain biking, stand up paddleboarding, surfing, bush walking.
- Camp craft, camping, safety, bush cooking, hygiene, creating shelter and learning about the Indigenous knowledge and practices of the area.
- Skipper's ticket practical

THEORY COMPONENT

Four main topics will be covered:

Environment	Developing links with relevant organisations such as Department of Biodiversity, Conservation and Attractions-Parks & Wildlife, Outdoors WA. Learning more about the flora and fauna of BCGS and the wider South West of WA
Expeditions	Principles of successful expedition planning, navigation and expedition journals
Safety	A formal qualification E.g. Skipper's ticket, Wilderness 1 st Aid Certificate or Surf Rescue Certificate.
Minimal Impact	The concept of "Leave no Trace" when pursuing outdoor activity

Much of the knowledge gained will be useful for students intending to do further study in Outdoor Education in Upper School. The course will also prepare students for career and employment pathways in areas, such as outdoor leadership, environmental interpretation, environmental planning, facilities management, eco-tourism, military service.

**** Please Note:** This Course is only offered for one Semester. Students cannot take this course for two Semesters.



PHYSICAL EDUCATION STUDIES

This course is designed to cater for students wishing to learn about a higher level, sports performance and to give them the opportunity to participate in a range of practical activities to apply their understanding. Much of the knowledge gained will also be useful for students intending to do further study in ATAR Physical Education in Senior Secondary School or Certificate II in Sport and Recreation.

There will be a mixture of theory and practical threaded through this course.

PRACTICAL COMPONENT

The practical component of the course involves students learning the skills, rules, and strategies in a number of sports. The practical units covered each year may vary depending on the interests of the group, the resources and venues available and the preferences of the teacher. Units may also vary in duration but one unit per term is generally suitable for most activities.

THEORY COMPONENT

Five main topics will be covered:

Body Systems	The respiratory system, skeletal and muscular systems. The cardio-vascular system
Health and Fitness	Principles of training Types of fitness training
Biomechanics	How the body creates force and movement Application to sports techniques
Sports Psychology	Motivation, self-confidence, mental skills training techniques.
Motor Learning	How skills are learned, the process of moving from beginner to elite performer.

**** Please Note:** This Course is only offered for one Semester. Students cannot take this course for two Semesters.



LANGUAGES LEARNING AREA

FRENCH





FRENCH

Year 10 French builds on and expands upon the topics and language covered in Years 8 and 9.

As in Year 9, the four primary language skills listening, speaking, reading and writing will continue to be developed. We will consolidate and expand students' knowledge of essential vocabulary for practical, everyday communication, while developing their fluency and understanding of the patterns and structure of French.

At BCGS the emphasis is on students acquiring basic communication skills. Our courses are communicative in methodology and aim to engage the students in meaningful/purposeful language development.

Through learning a language, students will be actively engaging in making multicultural connections. Students will have a better understanding of French and francophone customs, culture and language and they will be able to draw meaningful comparisons between their own culture and the French culture. In this way, students will value the diversity and difference in their communities.

This year, students will be given the opportunity to apply for the annual, four-week student exchange trip to Reunion Island, run by the Western Australian La Reunion Island Committee (WALRSE) which departs in July and is open to all Year 10, 11 and 12 students of French. They will also be hosting for four weeks in December/January. Information and application forms are available at WALRSE.org.

Students who take this course will be well placed at the end of the year to commence Senior Secondary French, with the aim of proceeding to French: Second Language ATAR or French GENERAL in Year 11.

Languages are awarded a 10 % bonus which is added to the final ATAR languages score. This 10% is included in the final ATAR calculation, even if the course is not one of the top four courses the student has studied.

The Year 10 course will focus on the following topics:

- The environment
- Holidays
- Travel project
- The world of work
- Leisure, fun and going out
- Eating well, Being fit
- Music, Film



PERFORMING ARTS

DANCE

DRAMA

MUSIC





DANCE

A Dance class may be the creative option you have been searching for.

The course will cover the interrelationship between practical and theoretical aspects of dance – the making and performing of movement and the appreciation of its meaning. Through decision making, in individual and group work, students use a wide range of creative processes, such as improvisation and the use of choreographic elements to create dance works.

The benefits:

Students will develop transferrable skills such as communication skills, collaborative teamwork skills, negotiation and conflict resolutions skills and problem-solving skills.

Learn to respond to their own work and work of others.

Learn safe dance practices and improve their physical competencies.

The course could improve your fitness, creativity, socialising and academic results.





DRAMA

The Drama course aims to develop students' confidence, expression and leadership skills through the techniques, principles and practices of theatre and drama. Through participation in both individual and group-based activities, students will explore various methods for using voice and body in performance.

OBJECTIVES:

- Students gain an understanding of how to devise fully realised, original works, using the most current performance theories.
- Students will examine the application of techniques for staging scripted texts, with a focus on Realism and film acting.
- Students will have the opportunity to gain practical experience in the use of technology in the theatre, ranging from sound and lighting to cutting edge multimedia techniques.

This course is designed as a prerequisite to studying Drama in Senior Secondary School.

ASSESSMENT:

- Use of voice and body in performance.
- Development of a variety of performances using elements specific to style.
- Practical demonstration of the safe use of theatrical technologies.
- Application of lighting in a performance context.
- Construction of written responses based on the analysis of various scripts.



MUSIC

Year 10 Music will enable students to develop their musical potential through a wide range of activities. It is essential that students electing to take Year 10 Music are currently receiving tuition on an instrument or voice as 50% of assessment is completed through performance. It is desirable, but not essential, that students contemplating Music at Year 11/12 level select to study Music in Year 10.

COURSE STRUCTURE

Year 10 Music will focus on:

- The eras and styles music - how music has developed from 500AD to the present day.
- Musical theatre - from its beginnings in opera through to the present day, everything from the 'Sound of Music' to 'Hamilton'.
- Composition and song writing using notation applications and DASs (Digital Audio Workstations).
- Performance – solo and ensemble, any instrument, any style.

ASSESSMENT

Assessment will be continuous throughout the year and each of the following skill areas will be assessed:

- Aural: the elements of rhythm, pitch, tempo, texture, form and timbre will be studied including dictations, chord and interval recognition.
- Cultural and Historical Analysis: aural and score analysis, listening activities to help students recognise, reflect on and critically evaluate music.
- Theory and Composition: including melody writing, harmonisation and arranging.
- Performance: for the class and other small audiences.



TECHNOLOGIES AND CREATIVE INDUSTRIES

DESIGN

DIGITAL TECHNOLOGY

FOOD TECHNOLOGY

MEDIA

MATERIALS DESIGN TECHNOLOGY – WOOD

MATERIALS DESIGN TECHNOLOGY – TEXTILES

MATERIALS DESIGN TECHNOLOGY – ENGINEERING (METAL)

VISUAL ARTS





DESIGN

This course will further develop student skills in creative design, through the study of photography and graphic design. Students will get the chance to develop skills in the studio, look at alternative photographic and graphic techniques through the study of modern and postmodern design concepts and improve their creative and technical software skills.

- Design tasks will include, but are not limited to:
- creating design work for bands (graphic work / album artwork / photographic shoots / merchandise)
- designing advertising posters using graphic design and layout skills
- Learning how to design and print t-shirts and stickers using our vinyl cutter and t-shirt press
- Laser etching of images onto materials like plywood
- pure photography-based skills in the form of:
- landscape photography
- portraiture based studio photography

Collaboration is an integral part of creating better solutions to design based problems. Students will get the opportunity to work collaboratively in groups to help improve their designs, as well as compete against each other in short, fun, creative design based challenges.

Students will develop the skills to present their work to an exhibition quality, possibly exhibiting at the School's annual Art & Technology Exhibition and relevant design and photography based competitions.

There are no prerequisites for this course, but if you like the idea of learning how to create cool graphics, love taking photos, want to create your own merchandise or want to develop high level skills in this area, then this could be the course for you.





DIGITAL TECHNOLOGY

OBJECTIVE:

Year 10 digital technologies focuses on further developing understanding and skills in computational thinking, such as precisely and accurately describing problems; and the use of modular approaches to solutions. It also focuses on engaging students with specialised learning in preparation for vocational training or learning in the Senior Secondary years. Students will have experience working with contemporary technologies such as, drones, virtual reality, CNC lathes, 3D printers, Micro bits (robotics) and completing units towards obtaining an International Computer Driving Licence (ICDL).

COURSE OVERVIEW:

Students have opportunities to analyse problems and design, implement and evaluate a range of solutions, such as database-driven websites, artificial intelligence engines and simulations.

Students consider how human interaction with networked systems introduces complexities surrounding access to, and the security and privacy of, data of various types. They interrogate security practices and techniques used to compress data, and learn about the importance of separating content, presentation and behavioural elements for data integrity and maintenance purposes.

Students explore how bias can impact the results and value of data collection methods, and use structured data to analyse, visualise, model and evaluate objects and events using the Design, Make and Appraise process. Students learn how to develop multilevel abstractions; identify standard elements, such as searching and sorting in algorithms; and explore the trade-offs between the simplicity of a model and the faithfulness of its representation.

When defining problems, students consider the functional and non-functional requirements of a solution through interacting with clients/stakeholders and regularly reviewing processes. They consolidate their algorithmic design skills to incorporate testing and review, and further develop their understanding of the user experience to incorporate a wider variety of user needs. Students develop solutions to complex problems and evaluate their solutions and existing information systems, based on a broad set of criteria, including connections to existing policies and their enterprise potential. They consider the privacy and security implications of how data are used and controlled and suggest how policies and practices can be improved to ensure the sustainability and safety of information systems.

Students have opportunities to become more skilled at identifying the steps involved in planning solutions and developing detailed plans that are mindful of risks and sustainability requirements. When creating solutions individually, collaboratively and interactively for sharing in online environments, students should comply with legal obligations, particularly with respect to the ownership of information.



COMPETENCIES TO BE DEVELOPED:

- Describe the role of hardware and software in managing, controlling and securing access to data, in networked digital systems.
- Describe the process of simple compression of data and how content data is separated from presentation data.
- Apply techniques for acquiring, storing and validating quantitative and qualitative data from a range of sources, and consider privacy and security requirements.
- Analyse, visualise and model processes and entities, and their relationships, using structured data. Students
- Create a design for algorithms represented diagrammatically and in structured English, including iteration.
- Validate algorithms and programs, using commonly accepted methods.
- Implement data storage and organisation techniques within a programming environment.
- Create interactive solutions for sharing ideas and information online, taking into account social contexts and legal responsibilities.
- Identify the needs of the client/stakeholder to determine the basis for a solution.
- Create and critique briefs. Students investigate components/resources to develop increasingly sophisticated solutions, identifying and considering associated constraints.
- Apply design thinking, creativity, enterprise skills and innovation to develop, modify and communicate design ideas of increasing sophistication.
- Design possible solutions, analysing designs against criteria, including functionality, accessibility, usability and aesthetics, using appropriate technical terms and technology.
- Select, justify and safely implement and test appropriate technologies and processes to make solutions.
- Provide relevant analysis of design processes and solutions against student-developed criteria.
- Work independently, and collaboratively to manage projects, using digital technology and an iterative and collaborative approach.
- Consider time, cost, risk, safety, production processes, sustainability and legal responsibilities.



FOOD TECHNOLOGY

Throughout the duration of this course students will have the opportunity to develop the skills required to produce more exciting and demanding culinary projects. At the same time, students will be gaining some insight into the challenge and interest to be gained from continuing studies in this area beyond Year 10. This course provides a useful background for any student wishing to pursue a career in the Hospitality Industry.

The Technology Process (Investigating, Devising, Producing, and Evaluating) is an integral part of this course. This process provides students with the opportunity to have an input into the selection and design of recipes.

Students identify their personal food requirements and the influence of food choice on health. They use strategies to identify the cultural values of their peers and the sensory characteristics of food that impact on their food preferences and food choices.

They identify trends in the food industry that influence their food selections. Properties such as colour, texture and aesthetics of a variety of foods are discussed when preparing food products that meet individual needs.

Students use the technology process and develop food preparation techniques when working with familiar equipment and a variety of familiar fresh and processed foods.

They follow and adapt recipes to prepare healthy meals and snacks that meet individual needs. Students evaluate the processes used and identify product improvements.

They demonstrate safe food handling procedures and work individually and in teams to generate and communicate ideas when producing and storing food products.

The year is divided into the following four units:

Food for Health The focus of this unit is the investigation of and preparation of staple foods and foods conducive to good health. The nutrients and their role in the body are also examined.
International Food In this unit students are helped to appreciate and respect other cultures through the preparation, cooking and serving of a variety of foods from other countries.
Journey through the Menu This unit investigates each aspect of the formal menu. Students prepare a selection of dishes from each section of the menu from hors d'oeuvres, right through to desserts and cheese boards.
Social Aspects of Food This unit examines food as a symbol of hospitality. Students are involved on the planning and preparation of food for social occasions and celebrations, including Christmas Cookery.



MATERIALS DESIGN & TECHNOLOGY – ENGINEERING (METAL)

OBJECTIVE: Introduce students to engineering and construction principles.

The study of Engineering and helps develop students' knowledge and practical appreciation of engineering. The course provides students with a context in which to practice and integrate their knowledge and apply it to meet community and environmental responsibilities. It develops their knowledge of environmental issues. It allows them to apply and extend Mathematical & Science knowledge and strategies for problem solving. It develops their skills in planning and project management. Students work in both teams and individually to learn and practice engineering processes using the Design, Make and Appraise process. It provides opportunities for students to develop knowledge, understanding and skills in relation to engineering and their associated industries. The course will have a significant practical focus. with a portfolio submission. Students will learn to weld, learn to use a metal lathe and in groups undertake a large school community-based project.

The course is an introduction to further studies in trades, engineering, and architecture. It helps young people become informed contributors to the community through application of their knowledge and skills. Students selecting this course would benefit from spending time after school in the workshop to further improve their practical skills.

COMPETENCIES TO BE DEVELOPED:

- Learn to weld
- Learn how to operate a metal lathe this may require attending after school classes
- Undertake a community based project on the school campus
- Devise and generate ideas and prepare construction proposals for your chosen project
- Understand the properties and structure of materials used in engineering
- Understand principles of sound manufacturing techniques
- Monitor and manage material resources
- Manage and safely operate equipment and use resources.



MATERIALS DESIGN & TECHNOLOGY - WOOD

The Year 10 Materials Technology course is designed to be studied as a Semester-long experience. The course extends the work undertaken at the Year 9 level in this subject. It is desirable but not essential for students to have previously studied the subject. This subject is heavily practical in nature, with associated theory. It focuses on vocational skills and knowledge which students would encounter in various employment fields. It also caters for recreational and hobby interests.

The focus for this unit is Production Fundamentals. It is an introductory unit that embraces the manufacturing of products through the principles of design. Students learn to implement the Technology Process (Investigating, Devising, Producing, and Evaluating); and provides students with the opportunity to plan, design, and construct their own projects. Students learn about materials and suitability for use.

Students may use a range of workshop and power tools and materials to help them complete their practical and theoretical activities. During this semester long course, they will have opportunities to work using a range of materials that include plastic, wood, and metal.

Some areas that may be covered throughout the course include:

- Personal Project designing and construction.
- Wood turning on a wood lathe• Woodwork joining techniques
- Small furniture and box construction
- Toy making
- Sheet metal work, folding, bending, assembly)
- Graphical communication skills and techniques, drawing and sketching
- Occupational Health and Safety practice and procedures.
- Home products e.g., shelving, cabinets, utensils, tools, picture frames.

Students who are considering studying Materials Design Technology in Senior Secondary School, should consider enrolling in the Year 10 Materials Technology subject to give them sufficient pre-requisite background knowledge.

**** Please Note: This Course is only offered for one Semester. Students cannot take this course for two Semesters.**



MATERIAL DESIGN TECHNOLOGY - TEXTILES

Discover Textiles is a year-long course which looks at continuing to improve the students' sewing skills as well as developing their skills in manipulating textiles in order to decorate clothing or sewn items. Students will be actively involved in the design and selection of materials and equipment, to produce a range of articles.

The focus for this unit is production fundamentals. Students are introduced to principles and practices of design, and the fundamentals of design required to manufacture products for themselves. They learn to communicate various aspects of the design process within the structure of 'design, make and appraise'. This involves learning to draw sketches of their own designs and understanding the information they need to gather in order to design and produce their own textile items.

Students will learn how to make a variety of textile items using many different sewing techniques. They will also embellish or make their own fabrics using dyes, stitching, beading, printing, machine embroidery and other techniques.

It is **highly recommended** that students take this course if they intend to study Textiles in Senior Secondary School.

Some highlights of the course:

- Fashion drawing and sketching
- Making a variety of textile projects
- Learning different embellishment techniques like beading, dying, patchwork, applique, lace, machine embroidery, etc.
- Learn to use a variety of equipment/technology to enhance their work.
- Become confident joining and manipulating textiles for an end use.
- Become confident with the use of a
 - Sewing machine
 - Overlocker
 - Embroidery machine



MEDIA

COURSE STRUCTURE

The students will complete 2 units of study for the year:

Semester 1:

- Music Video Analysis and Production
- Television Drama

Semester 2:

- Radio and Podcasting
- Feature Film Genre Study

OBJECTIVES

This course aims to develop the students' ability to communicate using Media Studies skills and processes. This course is designed to prepare students for the Media Production and Analysis General and ATAR courses available in Year 11. Students will engage in activities concerned with both the production and analysis of media platforms. In doing so, the students will use communication, organisational and technological skills to consider the relationship between the media and the audience. This will assist in increasing their skills as critical thinkers within the broader community. They will also begin to consider the role of media in society and its influence on all aspects of our culture.

ASSESSMENT

- Creation – the generation of ideas, research and writing of scripts.
- Production – creating media texts using a range of technologies.
- Analysis – describe, interpret and evaluate meanings created in their own media texts and those of others.

Students will have the opportunity to work both individually or in a group when creating media texts.



VISUAL ARTS

Students will continue to further develop and enhance their art skills in Visual Arts. Ample scope for free, imaginative interpretation and experimentation with materials is encouraged. Students discover ways to compile and record their experiences through a range of art activities such as painting, printmaking, 3D and drawing. These projects will aim to promote a fundamental understanding of visual language. Students acquire various skills using processes of experimentation and discovery. Imaginative picture making is primarily concerned with experiences of the self and of the immediate environment, including aspects of family life, social activities, communal occasions and other shared activities. Students will investigate different styles of art, International and Australian, traditional and contemporary to influence their Art Making. Analysis of artworks will further enhance student's use of art language and terminology. The course will prepare students for Year 11 Visual Arts ATAR or General Visual Arts courses.

ASSESSMENT:

Art Making = 60%

Art Responding = 40%

