

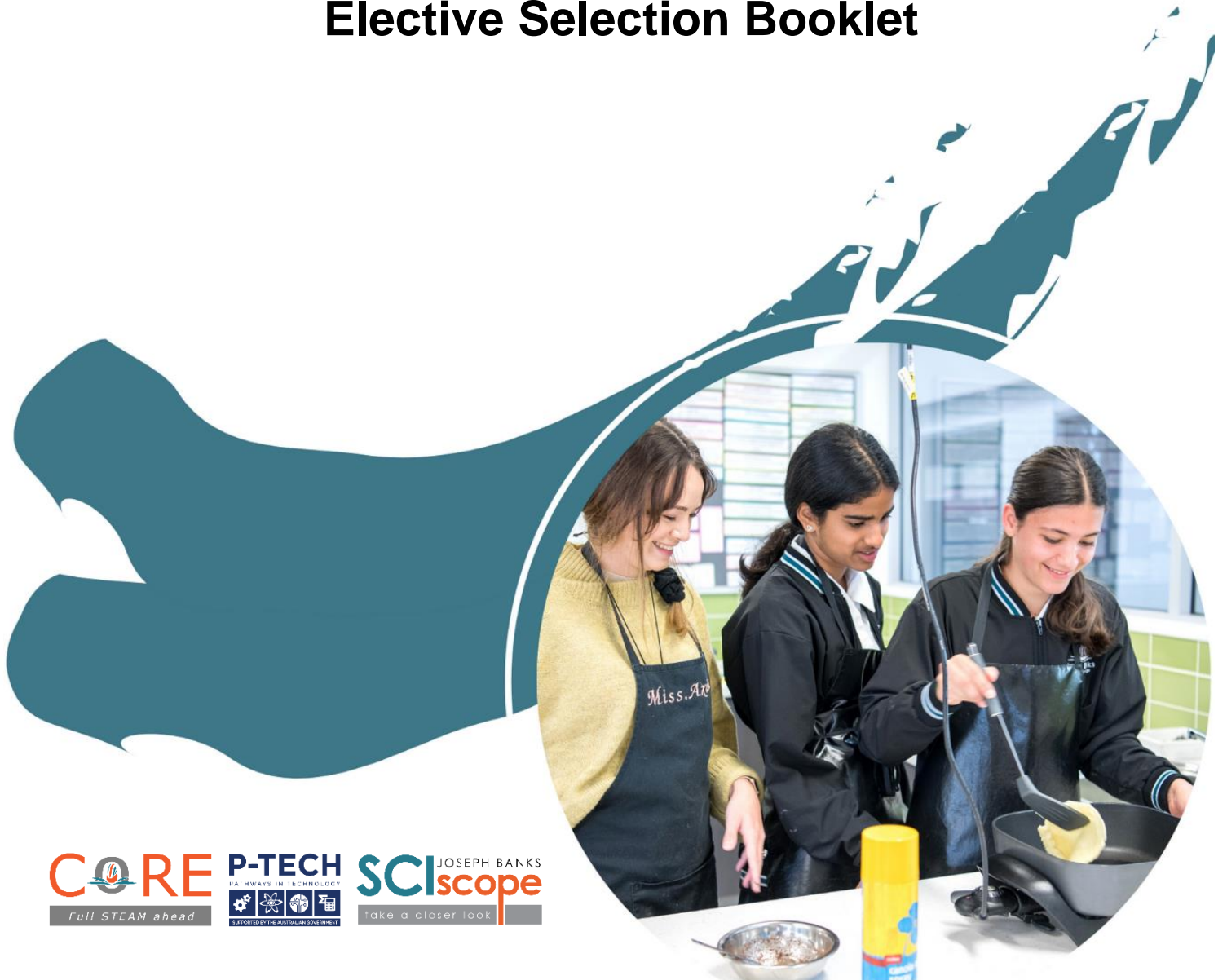
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Professional Learning Communities

Building Curious Learners

Year 9 2024
Elective Selection Booklet



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MIDDLE SCHOOL

Welcome to the Year 9 2024 Elective Selection process at Joseph Banks Secondary College. This booklet holds information aimed at helping current Year 8 students make informed choices for their electives in 2024.

Our Vision

In line with our College Business Plan, we are committed to creating a vibrant culture of excellence, opportunity, innovation and success for our students. We believe that every student can learn, and provided the right opportunities will learn to high levels.

Our aim is to nurture every student's talents and to provide all students with the knowledge, skills, attributes and values they will require for successful ongoing learning and life beyond school. Our Staff are committed to helping students develop to their full potential. This includes helping students develop the required skills for the 21st century, whilst constantly encouraging and supporting individuals to strive for their personal best.

In Year 7 and 8 the timetable is fixed and offers breadth and depth of learning, allowing students to experience a range of different learning opportunities so they can make informed decisions about electives in Year 9. Our Year 9 electives provide multiple opportunities for all students to achieve excellence. The electives offered in Year 9 cater for a wide range of ability and interest and aim to provide personalised pathways for each individual to meet their learning needs and achieve their personal best.

SELECTION PROCESS

Selection Requirements

This Selection Booklet provides brief descriptors for each of the electives available at Joseph Banks Secondary College for students in Year 9. Please read it carefully, so that the choices you are making for your electives are informed ones.

If you would like more detailed information about a particular elective, please do not hesitate to contact the College.

Firstly, all Year 9 students at the college are timetabled for one period of Contact a week, three sessions each per week of English, Mathematics, Science, Humanities and Social Sciences, and Integrated Studies and two hours of Physical Education and one hour of Health Education. This totals 19 lessons out of a possible 25 lessons each week.

The remaining time is devoted to electives from a very wide selection. Electives are Trimester based and students will study two electives per trimester. Each elective is timetabled for 3 lessons a week. **Please see Page 30 for an overview for the electives on offer for the 2024 school year.**

- All students will need to select 6 (six) electives to complete their timetable for the year.
- Students who select the Creative and Performing Arts Academy, will only need to choose 4 (four) electives, including their Academy subject.

- If students choose the Soccer Academy, they will need to select an additional 3 (three) electives. The Soccer Academy will be in addition of their Physical Education class.
- All students are required to select 3 (three) reserve electives.
- Additionally, students must choose AT LEAST ONE elective from The Arts and ONE from Technologies, to meet SCSA's reporting requirements.

The Online Selection Form should be completed after reading the Selection Booklet. Please complete the Online Selection Form with your child by Thursday 1st June 2023.

Please note:

- All electives will run based on student numbers and staffing availability.
- Elective costs are correct at time of printing but are subject to change and appropriate increases as approved by the Joseph Banks Secondary College Finance Committee and the College Board.
- Students will be provided with information regarding their elective placement towards the end of the school year. Placement will only be confirmed upon receipt of payment of 50% of elective costs as a confirmation fee.
- Students who do not confirm their placement in high cost electives will be placed in other electives.

Selection Timeline

- | | | |
|----------|-------------------------------|---|
| • Week 3 | Monday 8 th May | Selection information emailed to parents via AP MS. |
| • Week 3 | Monday 8 th May | Year 8 to 9 document live on Website. |
| • Week 3 | Monday 8 th May | Web codes emailed to parents |
| • Week 3 | Tuesday 9 th May | Year 8 to 9 Assembly and Contact Activity |
| • Week 6 | Thursday 1 st June | Online Selection Closes |

CONTRIBUTIONS AND CHARGES

Joseph Banks Secondary College receives Student Centred Funding from the Department of Education each year to assist with the costs of running the College. Financial payments provided by parents has always played an enabling role in the provision of resources that extend the school's capacity to add value to students' learning experience.

Collection of School Charge Payments

Full payment of charges should be made by the end of Term 1 each year. It is acknowledged that some families may encounter difficulties in meeting this timeline. To help overcome the problem of paying all charges in advance, a payment plan arrangement may be organised by contacting the Finance Officer on 9303 7400 prior to the commencement of the school year.

Joseph Banks Secondary College endeavours to keep its charges to a minimum while maintaining a high standard of educational programs. The level of financial payments requested of parents requires the endorsement of the College Finance Committee, which plays an important role in the school's financial planning arrangements to meet the needs of students while minimising the financial costs on parents. The costs are then sent to the Board to be noted. Each student is charged only for resources specific to each of their courses, therefore each student's charges will vary according to their choice of courses.

Extra Cost Options are charges for optional courses/activities organised by the College to enrich the educational program. Participation in these components is an elective choice and conditional on payment of the cost of providing the activity.

Education Program Allowance

Financial assistance is available for school charges and clothing for eligible families. Holders of a valid Centrelink Pensioner Card, Health Care Card or Veterans' Affairs Pensioner Card are eligible.

Applications are available from front reception; completed forms need to be returned before the end of Term 1 each year.

Course Charges and Booklist

Two calendar months prior to the new school year parents will receive an itemised invoice for each student.

This will include:

- the charges associated with each course
- any other compulsory charges levied by the school
- any voluntary contributions
- any textbooks that need to be purchased and the recommended retail price

The booklist and schedule of charges will be forwarded to parents/guardians in Term 4. If students change their courses during the school year a new schedule of charges will be issued.

All costs listed in this booklet are notional at time of printing.



***“Let’s go invent tomorrow
instead of worrying about
what happened yesterday.”
– Steve Jobs***

STEAM PROGRAMS

As our College continues to grow, we have worked to establish and refine our approach to STEAM and the Sciences.

We are working to ensure we provide students with a breadth of opportunities to be able to meet the Department of Education WA target of 85% of Year 12 graduates completing two or more STEM courses in Year 12.

Our aim continues to be for all students to develop into young men and women with 21st Century skills who actively participate in society.

We continue to develop our work around a comprehensive focus on the Sciences. With state of the art facilities, we offer a range of opportunities in the Sciences and Technologies, Engineering and Mathematics further aiding our work as a recognised Department of Education Science, Technology, Engineering and Mathematics (STEM) School.

In 2020, Premier McGowan announced the development of the Space Science Education Centre at Joseph Banks Secondary College and a Stage 3 Building to address the current demand for our STEAM courses. The new building and Space Science Education Centre will open later this year.

Our current approach to developing our focus on STEM consists of the following opportunities:



STEAM in Year 9

Students in Year 9 at Joseph Banks Secondary College will have access to a range of in timetable programs to support and develop pathways for students. This will provide a breadth of opportunities for students and establish direct pathways to Senior School STEAM Courses.

Our focus areas for STEAM in Middle School are:

- A focus on the Sciences
- Integrated STEAM learning across Learning Areas
- Integrated Studies

A focus on the Sciences

Students at Joseph Banks Secondary College will have access to a range of Science programs.

Our current focus is to support and develop pathways into the College through the Sciences, to provide a breadth of opportunities in science for students to engage in through their secondary schooling, and to establish direct pathways to post school destinations in the Sciences.

CoRE

To ensure our students in Middle School years have access to a wide variety of opportunities in the Sciences, the College pursued a partnership with the CoRE Learning Foundation.

This is a specialist integrated STEAM program which focuses on exploring and using technological advances in the mining and resource industry.

CoRE has links with Curtin University, WA School of Mines, and a range of Industry partners. It is a highly acclaimed STEAM approach to learning, that has been running successfully at Kent Street SHS since 2005. We will be working with classroom teachers, school leaders and the whole school community to pioneer this approach in the North Metropolitan region.

The focus at Joseph Banks Secondary College will also include the exploration of extra-terrestrial landscapes.

The CoRE Program will equip students with a range of skills including:

- Problem Solving
- Creativity
- Teamwork
- Communication
- Leadership
- Intercultural Understanding

Further information about the CoRE program in Year 9 is located in the **EXTENSION AND ENRICHMENT ELECTIVES** section of this booklet.

A focus on the Sciences

This focus enables students who have a passion for the Sciences to select a range of Science electives to study in addition to their year long Science course. These courses of work meet both Science outcomes and link to Year 10 and Senior School Courses of Study.

In Year 9, this includes:

- Aspirant Young Scientists
- Exploring the Science of Everything
- Electronics
- Space Academy

Integrated STEAM Learning across Learning Areas

Students have the option to choose from the following STEAM courses and a range of courses in all Learning Areas to develop STEAM skills, knowledge and understandings.

Learning Area	Course
The Arts	Media, Graphic Design and Digital Arts
Technologies	Cyber Security, Web Design Basics, Coding 101, Robotics 101, Jewellery, Woodwork, Metalwork, Formula 1 in Schools
Extension and Enrichment – Mathematics	Problem Solving and Enrichment, Maths for Life
Extension and Enrichment – Science	CoRe and All Science Electives

Integrated Studies

Integrated Studies is learning program that all students engage with from Years 7-9.

The three year program is staged to encourage students to engage with learning in three different phases:

Discovery learning: In Year 7 Integrated Studies students embark on a journey of discovery, inquiry and curiosity and develop skills for the 21st Century.

Dynamic learning: In Year 8 Integrated Studies students continue a journey of dynamic learning where innovation and creativity drive them to new heights.

Design learning: In Year 9 Integrated Studies students focus on design process learning and developing leadership and employability skills for the future.

Integrated Studies focuses on the integration of learning concepts, from across learning areas, always with a digital technology focus or learning outcome. In addition, learning phases focus on the development of student general capabilities with regards to teamwork, communication and problem solving, all key STEAM enterprise skills.

THE ARTS LEARNING AREA

The Arts Learning Area encompasses the subject areas of Drama, Media, Music and Visual Arts.

In The Arts Learning Area students develop creative skills, critical appreciation and knowledge of artistic techniques and technologies in drama, media, music, visual arts and combinations of arts forms. The Arts develop students' sense of personal and cultural identity and equips them for lifelong involvement in and appreciation of The Arts. Most importantly, The Arts reflect our humanity and our sense of wonder and awe.

The Creative and Performing Arts Academy

Students in Year 9 will be able to specialise in the following areas: Music, Drama, Media and Visual Arts. The Creative and Performing Art Academy will run for 3 periods per week for the entire year. Our students will be exposed to a myriad of opportunities to create art in the visual and performing contexts. There will be workshops, excursions and visiting artists invited in to share expertise.

Additionally, students will be required to participate in at least one co-curricular opportunity within the Arts. This could include participation in activities such as: The College Band and/or ensembles, choir, musicals and productions, presentations, performances or exhibitions, Cheer team training and competitions or the Visual Arts club to name a few. Co-curricular programs and commitment will be discussed with students at the beginning of the school year.

Visual Arts Academy

The Visual Arts Academy is a place where creativity and innovation come to life! Immerse yourself in a world of imagination, expression, and exploration as you dive into the rich and diverse world of visual arts.

Our academy is designed to ensure that you develop essential skills and knowledge in the visual arts. You will have access to a wide range of techniques and materials, from painting and drawing to digital media and sculpture.

Teachers will guide you through each step of your artistic journey, helping you to develop your skills and explore your own unique artistic style. You will learn about different artistic movements, art history, and contemporary art practices, giving you a comprehensive understanding of the art world and its relevance in our society.

Our state-of-the-art facilities are equipped with everything you need to bring your ideas to life, from easels and canvases to digital tablets and editing software. You'll also have the opportunity to showcase your work in exhibitions, competitions, and community events, giving you the chance to share your creativity with the world.

Join us at the Visual Arts Academy for Year 9 and discover your true artistic potential. Unleash your imagination, express your ideas, and explore the world of visual arts like never before!

Cost: Major \$150.00

Music Academy

The Music Academy is a 'hands on' elective, focusing on the practical exploration of Musical conventions. Opportunities will be provided to develop skills, knowledge and an understanding of performance and theoretical elements. In this elective you will broaden your knowledge and appreciation of Music as an art form, profession and life skill through a performance based elective, supported by Music creation and exposure to performance through workshops and excursions/ incursions.

Areas you will be covering include:

- Singing (lots of it!)
- Technology in Music: Garage band/ Recording /Song writing/ Composition
- Theory & the Elements of Music, including the history of Music
- Aural and Improvisation Skills
- Ensemble work (Various formats example cover band style groups, percussion.)

Cost: Major \$150.00

Drama Academy

The Drama Academy is a place where the world is your stage, and the possibilities are endless! Get ready to unleash your creativity, imagination, and passion for acting as you dive into the exciting world of drama.

Our academy is designed to develop essential skills and knowledge in drama. You will learn about character development, script analysis, improvisation, and stagecraft, giving you a solid foundation in the art of acting.

Teachers will guide you through each step of your dramatic journey, helping you to develop your skills and explore your own unique acting style. You'll have access to a wide range of performance opportunities, from small-scale productions to full-scale plays, giving you the chance to showcase your talent and creativity.

Our modern facilities are equipped with everything you need to bring your characters to life, from costumes and props to sound and lighting equipment. You'll also have the opportunity to participate in drama festivals, competitions, and community events, giving you the chance to share your love of drama with the world.

Join us at the Drama Academy for Year 9 and discover your true acting potential. Step into the spotlight, embrace your inner performer, and explore the exciting world of drama like never before!

Cost: Major \$150.00

Media Academy

The Media Academy is an exciting program where imagination meets technology and creativity knows no bounds! Get ready to unleash your passion for media as you dive into the exciting world of film, television, and digital media.

Our academy is designed to develop essential skills and knowledge in media. You'll learn about film production, scriptwriting, video editing, sound design, and digital media, giving you a comprehensive understanding of the media industry.

Teachers will guide you through each step of your media journey, helping you to develop your skills and explore your own unique creative style. You will have access to the latest equipment, from cameras and microphones to editing software and green screens, giving you the tools, you need to bring your ideas to life.

Our media productions are held to the highest standards, allowing you to gain real-world experience and produce work that you can be proud of. You will also participate in film festivals, competitions, and community events, giving you the chance to showcase your talent and creativity to the world.

The Media Academy leads into specific Media Genre studies in Year 10, and Year 11 and 12 Media Production and Analysis courses.

Cost: Major \$150.00



General Arts

Dance

The Year 9 Dance elective is designed to provide students with the opportunity to explore and develop their creative, expressive, and technical abilities in dance. Students will develop an understanding of dance as an art form, and explore a range of dance styles, techniques, and genres. Throughout this elective, students will also develop skills in communication, teamwork, and self-discipline, as well as physical fitness and coordination. Students may choose from a variety of genres including contemporary, hip hop, street dance, and cultural dances, for example, Spanish, Indian, and Bollywood.

Cost: \$50.00

Drama

This Drama elective is where you can let your creativity and imagination run wild! This elective is designed to provide you with the skills and knowledge to develop your acting abilities and explore the fascinating world of theatre. You will be guided through each step of your dramatic journey, helping you to develop your skills in characterisation, script analysis, improvisation, and stagecraft. You will have access to a range of performance opportunities, from small-scale productions to full-scale plays, where you can showcase your talent and develop your confidence on stage. You will build your communication skills and confidence, helping you to express yourself clearly and confidently in front of an audience. You will learn to collaborate effectively with your peers, working together to create memorable performances that will leave a lasting impression on your audience. Join us and discover your true potential as a performer!

Cost: \$40.00

Media

In the Media elective, you will be given the opportunity to unleash your creativity and explore the dynamic world of media production.

In today's digital age, the ability to produce high-quality media content is more important than ever before. This elective will provide you with a strong foundation in media production, including film, television, and digital media. You'll learn about scriptwriting, cinematography, editing, sound design, and post-production, giving you a comprehensive understanding of the media industry.

Discover your true potential as a media producer. Develop your technical and creative skills, explore new technologies and ideas, and become a confident and competent media creator. With the skills you will develop in this elective, the possibilities for your future in the media industry are endless!

Cost: \$28.00

Behind the Music

In Behind the Music, students will explore the evolution of contemporary music from 1950's Rock'n'Roll to 1980's Synth-Pop and beyond. Students will recognise and distinguish between the characteristics of musical sub-genres from a range of contexts. Opportunities will be provided to develop skills, knowledge, and an understanding and appreciation of Music as an art form. They will reflect, offer, and accept feedback to improve and refine their music making, and justify musical choices when composing and performing. Students will compare and discuss the music they listen to, explaining their musical preferences.

Students are encouraged to learn an Instrument or voice to enhance understanding of the concepts covered in class

Cost: \$50.00

So You Want to Be in a Band?

In this elective, you will explore what it takes to be in a successful band – no experience necessary! You will learn how to play a range of instruments such as guitar, keyboard, ukulele and have a go at singing, before creating a band! You will be able to recognise and distinguish between the characteristics of musical sub-genres from a range of contexts, before applying these to your own playing and analysis of songs. You will reflect, offer, and accept feedback to improve and refine your music-making and justify your musical choices when composing and performing.

Cost: \$50.00

Visual Arts

Are you ready to unleash your inner artist? Through a variety of mediums, such as painting, drawing, and sculpture, you will learn the basic skills needed to create stunning works of art. With each new project, you will experiment with different techniques and materials, discovering new ways to bring your ideas to life.

But it's not just about the technical skills – you will also dive into the fascinating world of art history and theory, exploring the cultural and social contexts in which art is created. You will analyse and evaluate a range of art styles and techniques and develop your critical thinking skills as you consider how these contexts can influence the meaning and interpretation of artworks. And the best part? You will have the opportunity to collaborate with your peers, bouncing ideas off each other and providing feedback on each other's work. You will develop your teamwork and communication skills and build a supportive artistic community around you.

Overall, this elective is an exciting and rewarding journey into the world of art. With each project, you will discover new skills, new perspectives, and new ways to express yourself creatively. So, what are you waiting for? Let's get creative!

Cost: \$30.00

Graphic Design

Graphic Design surrounds us: it is the signs we read, the products we buy, and the rooms we inhabit. Graphic designers find beauty within limitations, working towards the ultimate goal of visually communicating a message. Using a language of type and imagery, graphic designers try to make every aspect of our lives defined and beautiful.

If you are interested in Art and Computing with an aspect of Enterprise then this elective is for you. There will be an introduction to the 'digital darkroom' - editing and managing images using the Adobe Creative Suite with Photoshop, Illustrator and InDesign software. You will be encouraged to use your imagination, practice creative teamwork and develop lateral thinking abilities – all skills essential in the workforce. You will also discover the creative potential through hand-made and computer-generated imagery.

The elective is designed to develop technical and visual skills by completing short challenging briefs across a range of subjects. Hand drawing is encouraged in the development of ideas and the construction of contemporary graphics and illustrations.

The elective is devised from several studio areas covering a mixture of genres and themes using hand drawn, Photoshop, Illustrator and InDesign tools.

Cost: \$45.00

Digital Arts

Get ready to take your creativity to the next level with the Year 9 Digital Art elective! This elective offers an incredible opportunity for students to explore the exciting and ever-evolving world of digital art.

Using a variety of digital tools and software, you will learn how to create stunning digital artworks that push the boundaries of traditional art mediums. From graphic design to 3D modelling, you will have the chance to experiment with a range of digital art forms and develop your technical skills in each. And the best part? With digital art, the possibilities are endless! You will have the opportunity to bring your wildest ideas to life, experimenting with animation, special effects, and more. You will develop your own unique artistic style and create digital artworks that you'll be proud to share with others.

This is a fantastic opportunity to explore the exciting and ever-evolving world of digital art. You will develop your technical skills, your critical thinking abilities, and your self-awareness and creativity. Let's get creative with digital art!

Parents will need to purchase Procreate or a similar program for students enrolled in this course.

Cost: \$45.00



*“Sports do not build character.
They reveal it.”*

- Heywood Broun

HEALTH AND PHYSICAL EDUCATION LEARNING AREA

In Year 9 the Health and Physical Education Learning Area encompasses the subject areas of Health, Physical Education and Recreation. All Year 9 students will participate in two sessions of Physical Education and one lesson of Health Education throughout the year.

In Health and Physical Education, further choices are available as an elective for students who wish to develop further skills in HPE. In the Health and Physical Education Learning Area all electives place emphasis on healthy living in a practical way. Each elective facilitates skill development while fostering an active lifestyle. These electives will provide students a more physically demanding and balanced education.

We have an extensive range of Elite Sports Pathways that have been developed to support student development in specialised pathways. The majority of these Elite electives link to our Joseph Banks Secondary College representative teams, who participate in after school matches against other schools.

Physical Recreation (International Sports)

International Sports is an elective whereby you will be involved in a wide variety of sports that aren't generally performed during general Physical Education. During the trimester, you will compete in such sports as: European Handball, Ultimate Frisbee, Gaelic Football, Indoor Soccer/Hockey and Gridiron (NFL). You will be challenged to extend your leadership skills, team building skills, resilience, co-operation and tactics/strategies through a variety of teacher and student led assessments and competitive play. If you want to experience a wide variety of non- traditional sports in a different context, then International Sports is an elective to consider.

Cost: \$25.00

Specialised Sport (Racquet)

In Year 9, we offer Specialised Sport classes. This particular Specialised Sport elective will cover racquet sports such as; Badminton, Table Tennis, Tennis and Squash. You will learn the basic skills for each of these racquet sports, whilst also learning about tactics and strategies to improve your gameplay. A strong focus on building sportsmanship, etiquette and knowledge will be a feature of this elective.

Cost: \$77.00

Health and Fitness

The Health and Fitness industry is rapidly growing. Jobs that lead to rewarding careers, personally and financially. If you have aspirations to be a Physical Education teacher or Personal Trainer this is an elective for you. Over the trimester, this elective will explore many facets of the fitness industry. You will learn the basic and correct techniques for weight training, circuit training, and cardiovascular endurance. You will learn how to develop your own fitness programs and perform these at the conclusion of the course.

This elective will then link into the Fitness and Training Principles course offered in Year 10.

Cost: \$55.00

Elite Sports Performance (Netball)

If you have a passion for playing Netball and want to develop your coaching style and skills, then this elective is for you.

This elective will explore rich content including:

- Developing physical skills and tactics in Netball
- Strength and Conditioning
- Motor Learning and Coaching – development and implementation of training programs, understanding leadership styles, rules and umpiring signals

This elective will also provide you with the opportunity to attend the middle school lightning carnivals as coaches or umpires, as well as create and deliver training sessions at local primary schools.

Cost: \$35.00

Elite Sports Performance (Rugby)

If you have a passion for playing Rugby and want to develop your coaching style and skills, then this elective is for you.

This elective will explore rich content including:

- Develop and improve physical skills and tactics in Rugby
- Strength and Conditioning
- Motor Learning & Coaching - development and implementation of training programs, understanding leadership styles, rules and umpiring signals

This elective will allow you to expand your knowledge in a practical setting learning advanced skills in the sport of Rugby.

Cost: \$35.00

Soccer Academy

Are you an elite soccer player who wishes to forge a path as a professional? Are you interested in developing your skills and tactical nous in a sport your passionate about within school hours?

Whilst in the Soccer Academy you will work on improving a wide range of skills, tactics and physical competencies, developing your values and team collaboration as well as delivering social, mental and emotional education to support your overall wellbeing.

Students will be given opportunities to create and lead sessions, building on their leadership skills throughout the year. Students will also learn how to officiate games and build on their knowledge before they become a qualified referee in Year 10.

The Year 9 Soccer Academy will run as a yearlong elective within the timetable. Students in this course may indicate whether they are interested in participating in after school matches during Term 2 and 3.

Cost: \$56.00 + \$131.00 for Academy

***“Creativity is
intelligence having
fun.”***

– Albert Einstein



TECHNOLOGIES LEARNING AREA

The Technologies Learning Area offers a range of subjects, the electives are practical based providing a wide range of life skills across the areas of Design and Technology, Home Economics (Food and Textiles) and Digital Technologies (Computing, Graphic Design and Cyber).

Introductory Fashion Design

The Year 9 Introduction to Fashion Design elective gives you the opportunity to experience and explore real-life practices undertaken in the fashion industry. You will develop and strengthen your skills learnt in lower school Textiles in order to prepare them and set the foundation for Senior School textile studies such as Materials Design and Technology. In Introduction to Fashion Design you will be introduced to different fabrics and new equipment and machinery in order to design and construct usable objects and garments which meet your individual needs.

Cost: \$80.00

International Foods

In this elective you will go on an international cultural journey and explore a range of traditional cuisines. You will build upon your culinary skills and knowledge of the kitchen and kitchen processes in preparation for Senior School studies such as Food Science Technology and Certificate II in Hospitality. You will learn to make European cuisine such as crepes, Cornish pasties, gnocchi, paella and Greek salad; Asian cuisine such as dumplings and teriyaki chicken; South American cuisine such as tortillas and enchiladas; North American cuisine such as burgers and milkshakes and from these influences, design and create their own international cuisine dish.

Cost: \$70.00

Cyber Security

In this elective you will learn a range of techniques to start your journey to becoming a cyber-security expert! With 3.5 million unfilled jobs being created by the end of 2025, cybersecurity is fast expanding into one of the most sought-after professions.

In Cyber Security you will be introduced to basic cryptography concepts, securing online information, looking at how these concepts and different methods are used in industry today. You will have opportunities to solve real-world problems given to you by cyber security experts as they share what it's like to work in the cyber security industry. You will develop skills and knowledge as you learn through these hands-on cyber activities that can set you up for an exciting career post school.

This elective includes participation in the CISCO Network Academy courses as you complete courses on topics such as the Internet of Things and Intro to Cyber. This will see you earning Cisco Digital Badges by completing courses, further developing and supporting your online digital credentials.

Cost: \$40.00

Web Design Basics

In this elective you will learn all about the big World Wide Web, exploring the topic of Web Development. You will learn to create and maintain fast, secure web pages from beginning to end. This elective provides a basic introduction to essential web development languages and will show you how to create exciting and interactive websites. This will be your first step into the world of web page creation and maintenance.

The content of this elective will focus on planning, analysis, design, creation and reflection in the context of web development practices.

This elective will prepare you to take confident steps into web development processes. You will experience how to create basic web pages using text-based coding languages such as HTML and style your pages using CSS.

Cost: \$40.00

Coding 101- The Language of the Future

Coding 101 is designed to provide students with a fundamental understanding of the computer language and how it is used and created for programs you use every day. The course covers the basics of programming languages, algorithms, data types, and control structures. Students will get to be creative and innovative while writing code using popular programming languages such as Python, JavaScript, Swift, C++, C# or Ruby. The course aims to help students develop the critical thinking and problem-solving skills necessary to become proficient coders. Through practical exercises and projects, students will learn to create simple programs, apps and games to gain a deeper understanding of how computer programs work and are used in their everyday lives. The course is suitable for beginners with no prior coding experience and provides a foundation for further study in computer science or related fields.

Robotics 101

This introductory robotics elective is designed to promote your problem solving and enterprise skills as you collaboratively build robots to fit a range of purposes. You will explore the world of robotics and automation, both rapidly growing industries that are important for industrial, domestic and entertainment applications.

You will be responsible for the design, programming and engineering of practical solutions to solve realistic and challenging problems using various robots for real time data collection and other operations.

Cost: \$40.00

Jewellery

This is a foundation elective. It will introduce you to the processes involved in creating your very own jewellery and covers important workshop safety considerations. This elective will include skills such as filing, shaping, soldering, applying textures and finishes to a range of materials. Brass, copper and nickel silver are used to create a range of jewellery items including rings, bracelets and pendants. You will develop an awareness of other materials including cubic zirconia's, gemstones, mother of pearl and aluminium. This is a great elective to do in order to develop artistic and creative ability and teaches you valuable practical skills. It provides an excellent foundation for Year 10 Jewellery and also Senior School Jewellery.

Cost: \$90.00

Woodwork

This Year 9 elective will build and expand upon the introductory woodwork hand and machine skills covered in Year 8. You will be familiarised with a variety of new machines and their safe use, including between centres turning on the wood lathe, band sawing curves, plate joining various pieces of timber and routing various edge profiles.

Projects to be made include a decorative cutting board, a toolbox and a CO2 powered drag racer. You will design, build and ultimately race against your classmates and the teacher to determine who really has the best skills in woodwork!

Cost: \$67.00

Metalwork

This Year 9 elective will build and expand upon the introductory metalwork hand and machine skills covered in Year 8. You will be familiarised with a variety of new machines and their safe use, including cold sawing metal profiles to length, MIG welding solid steel together, removing waste with an angle grinder and hot forming steel shapes with the oxy acetylene hand piece. Projects to be made include a sheet metal box, a MIG welded model and a design challenge in which you will design; build and spray finish a design of your choice.

Cost \$70.00

3D Design and Engineering: Formula 1 in Schools Technology and Engineering Challenge

The F1 in School Technology Challenge is the world's largest secondary school technology elective. It involves over nine million students from 17,000 schools in 31 nations.

If you select to participate in the F1 in School Technology Challenge you will work in small project teams to design a F1 model race car made from balsa wood using CAD software and then manufacture your car on a CNC router to race against other schools in Western Australia and potentially against other schools around Australia in the National Finals.

At the same time your project teams will document the entire process in a portfolio which includes information about: your team identity, logo and team uniform, research into the science behind F1 racing and how you applied research to your design, your design process and use of engineering software, including marketing of your team and sponsorship/fundraising strategies, connections with industry and mentors, testing of your car design and the production of an octagonal drawing of your car.

The Formula 1 in Schools Technology Challenge builds your strengths in: public speaking, project planning, development and management, resource procurement, industry links, graphic design and manufacturing engineering; including personal and employability skills, team work, time and resources management.

Cost: \$85.00

***“Thinking: the
talking of
the soul itself.”
- Plato***



EXTENSION AND ENRICHMENT ELECTIVES

Joseph Banks Secondary College will provide extension and enrichment electives from within the Mathematics, English, Sciences and Humanities Learning Areas for students who would like to develop their interest in these areas of study.

English – Write a Book in a Day Creative Writing

Do you love storytelling? Do you constantly have your head in a book? If so, then this is the course for you!

In this elective, you will transform into a stellar storyteller, who wields the power of the pen. You will learn how to craft realistic characters, who must overcome seemingly impossible obstacles. You will travel through other worlds and discover different genres, such as sci-fi and gothic. You will obtain the mighty power crafting suspense and keeping your readers on the edge of their seats.

As part of this elective, you will participate in the Write a Book in a Day incursion, which include raising money for a charity and writing a story as a team. You will then spend a whole day locked together with your team to create a book that will be presented in our Discovery Centre. This is an exciting opportunity for the next JK Rowling. Are you up for the challenge?

Cost: \$32.00

Humanities and Social Sciences – Horrible Histories

Throughout history, governments and leaders have used their power to influence and rule in horrible ways. This elective looks at some of the key dictators and rulers throughout history that have changed the course of history forever. You will examine and analyse the motives, causes and effects of actions that these individuals have taken. With a strong emphasis on reading, research, evaluation and subject specific terminology, this elective is not for the faint-hearted.

This elective is for anyone interested in History and is a perfect pathway into the following Year 10 courses: WW2, The Rise of Evil and Freedom and Rights.

Cost: \$30.00

Humanities and Social Sciences – World War I

In 1915, Australian and New Zealand troops stormed the beaches of Gallipoli, and the ANZAC legend was born. By the end of the war, the ANZACs had distinguished themselves not just in Turkey, but in the trenches of the Western Front in Europe.

Beyond the well-known characters of the war such as Simpson and his donkey and the stellar leadership of Sir John Monash, the war prompted social change unlike anything before in Australia. Indigenous soldiers fought alongside other Australians, while the traditional roles and influence of women in Australia would never be the same.

In this elective, students will explore the common myths and legends of the ANZACs. They will expand their understanding of the global political influences that dragged Australia into the conflict and examine significant events and people of the war.

Students will also examine the changing social landscape of Australia for Indigenous Australians and for women and understand how the contributions of these people significantly enhanced Australia's overall war effort. What were the lasting impacts of the war on all Australians and how has World War I influenced our lives today?

Cost: \$30.00

Humanities and Social Sciences – Deadly Diseases

Throughout history the biggest executioner of the human race has been deadly disease and this elective is especially relevant at the moment! Whether it was the Black Death in 14th century Europe or present day COVID 19, the loss of human life and cost to society has been astronomical. With a strong emphasis on analysing and evaluating evidence as well as the ability to explain different perspectives, this elective examines the causes and effects of deadly diseases throughout history.

If you are interested in analysing evidence this is a perfect pathway into the following Year 10 course: Geography 101.

Cost: \$30.00

Humanities and Social Sciences – Fabulous Finance

In this fun elective, you will learn to develop money management skills such as saving for a rainy day, budgeting, what you need to know about personal tax, researching and buying a car, why credit matters and using credit wisely. Everything a teenager needs to know!

This elective is a fabulous introduction to managing personal finances and leads perfectly into Business and Economics 101 in Year 10.

Completion of this elective also provides you with partial evidence towards the FNSFLT301 units of competency for a Cert II or Cert III in Business.

Cost: \$30.00

Mathematics – Problem Solving and Enrichment in Mathematics

If you have demonstrated a high level of engagement and interest in Mathematics, then this elective will interest you. It will involve working mathematically to solve complex problems, as well as enrichment through investigations and exploration of mathematical concepts. This elective is designed to further develop your mathematical skills needed for advanced mathematics courses in the future.

This is a particularly suitable pathway into Mathematics for Scientists and Engineers in Year 10.

Cost: \$21.00

Mathematics – Maths for Life

This elective utilises online learning platforms to diagnose mathematical skills that students find challenging. Students will be provided opportunities to work collaboratively and intensively to improve their understanding and fluency of these skills, in order to feel confident working mathematically in everyday life and improve their success in NAPLAN and OLNA.

Cost: \$21.00

Science – Aspirant Young Scientists

Do you have a passion for Science? Are you wanting to explore the vast array of opportunities for young people in STEAM?

Aspirant Young Scientists is a course designed to encourage young people to consider a career in STEAM when they leave Joseph Banks Secondary College. With workplaces and universities trying to encourage many young people to consider a career in STEAM, this course will give you an advantage over other students and expose you to laboratories and workplaces unseen by students your age. As a part of this course, you will get the opportunity to visit universities and industries, complete a wide range of hands-on activities and project-based learning opportunities, pave a pathway towards a career as an engineer, nurse, chemist, physicist or forensic scientists (just to name a few). You will also have the opportunity to work in the new Western Australian Space Science Education Centre (WASSEC) to broaden your horizons in a career in STEAM.

Cost: \$75.00

Science – Exploring the Science of Everything

Exploring the Science of everything is designed to allow you to explore areas of Science that are of interest to you. It aims to reflect your interests in Science, introduce and improve Science Inquiry skills, and can be directly related to future careers that involve Science.

You will have an opportunity to identify an area that interests you, research and investigate the scientific aspects of the topic and then present the results to the school community. High interest research topics could include cosmetics chemistry, the search for the best ice-cream, electronics and environmental science. You will also explore partnerships with local universities and organisations to assist in their research.

Cost: \$50.00

Science – Electronics

Are you able to construct a circuit? How many volts does it take to damage a human?

This elective is an introduction to mathematics, physics, and electronics concepts. Students will learn the relationship between resistance, current and voltage using Ohm's law. This includes using soldering techniques and how electronic components, such as batteries, resistors, light-emitting diodes (LEDs) and switches are put together to make an electronic circuit. It will provide students with an excellent foundation for integrated Electronics courses in Year 10. The skills and competencies gathered in Year 9 will also assist students in understanding whether a pathway in the electronics field or electrical trades may be suitable for them.

Cost: \$60.00

Science – Space Academy

The Science Space Academy elective explores what it's like to be an astronaut. Is there life out there, and who's looking for it? Do you like tinkering and putting things together? If you would like to be a pioneer in the first Mission Control Centre at Joseph Banks Secondary College, then this elective will excite you. In this elective you will work in partnership with space scientists to develop a training program for budding astrophysicists. This will include developing a fitness test for astronauts, exploring space technology and designing a space mission control centre.

Cost: \$50.00

CoRE

Develop your exploration skills by 'exploring the unknown' in Year 9 CoRE. You will investigate minerals, looking at how chemistry is used to extract metals; you will explore our oceans using various remote survey techniques; and will develop a plan for mining an asteroid in space.

You will work in groups, developing your enterprise skills, to solve real-world problems. There are multiple opportunities for fieldtrips, where you will be exposed to professionals working in associated industries. To further develop your understanding of these industries, it is anticipated that you will work with industry mentors throughout the year to develop your problem solving and communication skills.

Cost: \$70 plus additional charges for a camp of up to \$250

Appendices

Appendix A Year 9 Elective Selection Check List

Please use this sheet to organise your selections prior to entering your electives using the Online system. Remember electives are timetabled for three lessons per week and students will study two electives per trimester.

- All students will need to select 6 (six) electives.
- Students who select the Creative and Performing Arts Academy, will only need to choose 4 (four) electives, including their Academy Major.
- If students choose the Soccer Academy, they will need to select an additional 3 (three) electives. The Soccer Academy will run in addition to their Physical Education class.
- Students who have studied CoRE in previous years and wish to continue in Year 9 must indicate on this form. Students who would like to join CoRE must also indicate this. Students who select CoRE must still select 6 (six) additional electives.
- All students are required to select 3 (three) reserve electives.
- Additionally, students must choose AT LEAST ONE elective from The Arts and ONE from Technologies due to SCSA reporting requirements.

The Arts Learning Area	Technologies Learning Area	Extension and Enrichment Electives	
You must select at least one (1) of these electives	You must select at least one (1) of these electives	English Write a Book in a Day – Creative Writing	
Dance	Introductory Fashion Design	Humanities and Social Sciences – Horrible Histories	
Drama	International Foods	Humanities and Social Sciences – World War I	
Media	Cyber Security	Humanities and Social Sciences – Deadly Diseases	
Behind the Music	Web Design Basics	Humanities and Social Sciences – Fabulous Finance	
So You Want to Be in a Band?	Coding 101	Mathematics - Problem Solving and Enrichment in Mathematics	
Visual Arts	Robotics 101	Mathematics - Maths for Life	
Graphic Design	Jewellery	Science – Aspirant Young Scientists	
Digital Arts	Woodwork	Science - Exploring the Science of Everything	
The Academy of Performing Arts	Metalwork	Science - Electronics	
If you select an Academy, you only need to select three (3) other electives.	Formula 1 in Schools Technology and Engineering Challenge	Science – Space Academy	
Visual Arts Academy	Health and Physical Education	CoRE – Exploring the Unknown	
Music Academy	Physical Recreation (International Sport)	Reserve Electives	
Drama Academy	Specialised Sport (Racquet)	You need to select at least three (3) Reserve. List these below.	
Media Academy	Health and Fitness		R
Sporting Academies	Elite Sports Performance (Netball)		R
If you select an Academy, you only need to select three (3) other electives.	Elite Sports Performance (Rugby)		R
Soccer Academy			

Appendix B Global Course Overview

	Year 9 Electives	Year 10 Courses	Year 11 and 12 Courses	Possible Tertiary Courses
HUMANITIES AND SOCIAL SCIENCES (HASS)	Fabulous Finance	Business and Economics 101	ATAR Business Management and Enterprise	Bachelor of Commerce Bachelor of Marketing, Advertising and Public Relations Bachelor of Sport, Recreation and Event Management Bachelor of Philosophy, Politics and Economics
			ATAR Careers and Enterprise	Certificate III Business Certificate IV Business
			General Business Management and Enterprise	Certificate III Event Management Certificate III/IV Business Certificate III/IV Business Administration Certificate III Business Administration (Legal) Certificate III Business Administration (Medical) Diploma of Community Services Diploma of Human Resource Management Certificate IV in Marketing and Communication Certificate IV in Leadership and Management Certificate IV in Project Management Practice Certificate IV Business
	Deadly Diseases	Geography 101	General Geography	Certificate IV in Conservation and Land Management Advanced Diploma of Community Sector Management Certificate II Horticulture Certificate IV in Surveying Certificate III in Surveying and Spatial Information Services
				Horrible Histories World War 1
			ATAR Modern History General Modern History	

	Year 9 Electives	Year 10 Courses	Year 11 and 12 Courses	Possible Tertiary Courses
ENGLISH	Write a book in a day	American Dream	ATAR Literature	Supports entry to university in all subject areas
		Gender Agenda		
		The Worlds End	ATAR English	Supports entry to university in all subject areas
		You're A Wizard Harry		
		Around the World in 80 Texts	General English	University Preparation course. Portfolio entry to university courses Supports entry to a range of tertiary courses at TAFE
		Sportswriter		
		Avengers Assemble		
		Writing for Purpose		
		Mission: Possible		
When I Grow Up				

	Year 9 Electives	Year 10 Courses	Year 11 and 12 Courses	Possible Tertiary Courses
SCIENCE	Aspirant Young Scientists	Physics in Action	ATAR Physics General Integrated Science*	Bachelor of Science (physics) Bachelor of Engineering Bachelor of Mathematics and Statistics Certificate IV in Engineering Certificate IV in Mechanics
		It's All Chemical The Heat is On!	ATAR Chemistry General Integrated Science* Certificate III Laboratory Skills	Bachelor of Science (most courses require Chemistry as a prerequisite) Bachelor of Engineering (chemical)
		Psychology	ATAR Psychology General Psychology	Bachelor of Psychology
		Human Biology 101 Saving Planet Earth Cells to Survival	ATAR Human Biology General Human Biology ATAR Biology Certificate III Laboratory Skills General Integrated Science General Earth and Environmental Science	Bachelor of Science (human biology, biomedical science, wildlife conservation, zoology, marine biology, environmental science) Bachelor of Geology
	Electronics	Space Academy: Our Curious Cosmos Space Academy: Communication In Space Space Academy: Solar Systems and Satellites	General Earth and Environmental Science General Integrated Science	Supports entry into Science related TAFE courses Supports entry to University related courses in Science
	Exploring the Science of Everything	Forensic Science	Certificate III Laboratory Skills General Integrated Science	Certificate III supports entry to University Prep courses and possible direct entry

* Students cannot select Integrated Science alongside ATAR Physics or ATAR Chemistry in Year 11 and 12 courses

	Year 9 Electives	Year 10 Courses	Year 11 and 12 Courses	Possible Tertiary Courses
MATHEMATICS	Maths for Life	Maths for Life	General Essentials Mathematics	Supports students developing their numeracy skills for success in Numeracy in OLNA. Supports entry to a range of tertiary courses at TAFE.
		Mathematics Essentials (A & B)	General Essentials Mathematics	University Preparation course. Portfolio entry to University courses. Supports entry to a range of tertiary courses at TAFE.
	Problem Solving and Enrichment in Mathematics	Maths in Business and Economics	General Essentials Mathematics ATAR Mathematics Applications	University Preparation course. Portfolio entry to University courses. Supports entry to a range of tertiary courses at TAFE. Supports entry to university in most subject areas, except Bachelor of Engineering, some Bachelor of Science courses (e.g. physics, cyber security, zoology, biomedicine), Bachelor of Mathematics and Statistics.
		Mathematics for Scientists and Engineers (A & B)	ATAR Mathematics Applications ATAR Mathematics Methods ATAR Mathematics Specialist	Supports entry to university in areas such as Engineering, Science and Mathematics.
		ATAR Maths Preparation	ATAR Mathematics Applications ATAR Mathematics Methods ATAR Mathematics Specialist	Supports entry to university in areas such as Engineering, Science and Mathematics.
		Specialist Maths (A & B)	ATAR Mathematics Methods ATAR Mathematics Specialist	Supports entry to university in areas such as Engineering, Science and Mathematics.

	Year 9 Electives	Year 10 Courses	Year 11 and 12 Courses	Possible Tertiary Courses
HEALTH AND PHYSICAL EDUCATION (HPE)	Physical Recreation International Sports Racquet Sports ESP Rugby ESP Netball	Sports Science Sports Science A Sports Science B ESP Rugby	ATAR Physical Education Studies General Physical Education Studies General Certificate II Sport & Recreation	Further study at University in the following fields Bachelor of Health and Physical Education Sport Science Physiotherapy Exercise Physiology
	Fitness Health & Fitness	Fitness Fitness Training Principles	Certificate II Sport Coaching	Further study in Physical Education related courses at TAFE such as: Certificate III Sport & Recreation Certificate III Sport Development Certificate IV in Sport Development Certificate IV Fitness.
	Academies Soccer Academy	Soccer Academy (complete Certificate II Sport and Recreation) Netball Academy (complete Certificate II Sport and Recreation)	Certificate III Sport & Recreation (Soccer or Netball Academy focus)	
	Health	Health Studies	ATAR Health Studies General Health Studies	Further study at University in the following fields: Food Science Health Promotion Occupational Health Occupational Therapy Pharmacy Public Health Physiotherapy Speech Therapy Further study in Health-related courses at TAFE such as: Certificate III Allied Health Certificate III Population Health Certificate IV Preparation for Health and Nursing Studies
	Outdoor Education	General Outdoor Education	Further study at TAFE in qualifications which are related to Outdoor Education. Possible employment in the Outdoor Education industry.	

	Year 9 Electives	Year 10 Courses	Year 11 and 12 Courses	Possible Tertiary Courses
THE ARTS	Visual Arts Year 9 Academy Visual Arts Digital Art	Year 10 Visual Arts Academy Art Now! Digital Art Drawing & Painting Drawing & Printmaking	General Visual Arts	Further Study TAFE Visual and Creative Arts Certificate courses, and University. Bachelor of Arts- Visual Arts Bachelor of Arts Honours Bachelor of Arts-Fine Arts Creative Arts Designing Fashion Specialisation Illustration Specialisation Visual Culture Fashion Design Design Thinking and Visual Communication Specialisation Games Art and Design Visual Communication Bachelor of Visual Arts and Design Bachelor of Fine Arts Bachelor of Education (Secondary) Bachelor of Fine Arts / Bachelor of Laws Bachelor of Science / Bachelor of Fine Arts
	Design Graphic Design Introduction	Graphic Design	Certificate III Information, Digital Media and Technology (Cyber Security) General Design	Further Study TAFE Visual and Creative Arts Certificate courses, and University through ATAR. Bachelor of Computer Science Bachelor of Science (Cyber Security) Bachelor of Arts Honours Bachelor of Design Digital and Social Media Animation and Game Design Digital Experience and Interaction Design Digital Experience Communication Specialisation Digital Experience and Interaction Design Advertising Design Specialisation Applied Graphic Design Specialisation Web Presence Specialisation Design Thinking and Visual Communication Specialisation

			Games Art and Design Certificate IV Cyber Security
Drama Year 9 Academy Drama Dance	Year 10 Drama Academy Behind the Scenes Dance	General Drama	Further Study TAFE Visual and Creative Arts Certificate courses, and University. Advanced Diploma of Live Production and Management Services Bachelor of Arts (Acting) Bachelor of Arts (Arts Management) Bachelor of Arts Honours Bachelor of Performing Arts Theatre Arts Screen Arts Corporate Screen Production
Music Behind the Music So You Want to Be In a Band Year 9 Academy	Song Writing 101 Electronic Sound Design Year 10 Music Academy	ATAR Music Certificate III Music	Further Study TAFE Visual and Creative Arts Certificate courses, and University. Advanced Diploma of Music Industry Bachelor of Arts (Music Theatre) Bachelor of Arts Honours Bachelor of Performing Arts Bachelor of Music
Media Year 9 Academy Media	Advertising and Music Videos Photography and Film Year 10 Media Academy	General Media Production and Analysis	Further Study TAFE Visual and Creative Arts Certificate courses, and University. Bachelor of Media and Communication Bachelor of Arts Honours Bachelor of Arts/Bachelor of Media and Communication Master of Screen Studies Corporate Screen Production Photography

	Year 9 Electives	Year 10 Courses	Year 11 Courses	Possible Tertiary Courses
TECHNOLOGY	Woodwork	Wood Machining	Metalwork - General	Certificate II Carpentry and Joinery Apprenticeship in carpentry
	Metalwork	Metal Engineering	Woodwork - General	Certificate IV Building and Construction Certificate II in Furniture Making (Pre-Apprenticeship)
	International Foods	Food Baking Focus Methods of Cooking	Certificate II in Hospitality Food Science Technology -General	Commercial Skills set Customer service skill set Certificate III & IV in Hospitality Advanced Diploma of Hospitality Management
		Childcare	Children, Families and the community – General Cert III Early Childhood Education and Care	Certificate III & IV in allied Health Diploma of Community Development Certificate III and IV in Community Services Certificate II, III and IV Youth Work
	Jewellery	Jewellery	Metalwork - General	Jewellery Beginner Certificate III in Jewellery Manufacture Certificate IV in Design (Jewellery Studio)
	Computing Coding Robotics 101 Web Design Basics F1 in Schools Cyber Security	Computer Coding Robotics 201 Web Design Basics F1 in Schools Ethical Hacking P-TECH	Computer Science - General Applied Information Technology - General Certificate III Information, Digital Media and Technology (Cyber Security)	Certificate II in Computer assembly and Repair Certificate III/IV in Information, Digital Media and Technology Certificate IV Programming Certificate III/IV in Information, Digital Media and Technology (Cybersecurity) Bachelor of Computer Science
	Introductory Fashion & Design	Fashion & Design	Textiles – General	Sewing Beginner 1 & 2 Certificate III in Design Fundamentals