Year 10, 2025 Course Handbook

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Anglican Community School

YEAR 10 COURSES FOR 2025

The Year 10 Course Handbook provides descriptions of the Courses offered to Year 10 students.

Students will study a set of Compulsory Courses, these being English, Humanities and Social Sciences (HASS), Mathematics, Science, Physical Education, Health Education and Religious Studies. In addition students will be able to indicate a preference for three more courses from the Specialist Courses that are listed in this handbook.

Students will be assigned to the compulsory course level of English, HASS, Mathematics and Science, appropriate to their aptitude, ability and performance. This information will be provided to parents towards the end of Term Four and parents will be able to contact Heads of Department if they have any queries about these placements. The three other compulsory courses of Religion Studies, Physical Education and Health Education are all of a general nature with all students following the same course for each of these subject areas.

Please note the following stipulations for students

- A student can choose 1 language.
- In Design and Technology even though students can choose up to two courses, we may not be able to facilitate placing all students who choose two courses into both courses.
- Students in the Basketball program cannot choose Physical Education studies.

Students may choose any combination of the other specialist courses offered. In some instances students may not receive all of their first three preferences due to timetable restrictions. In these cases students will be interviewed and advised of all of the possible options and given their highest choice possible, and parents will be consulted.

Timeline for Online Specialist Course Preference Process

Term 2

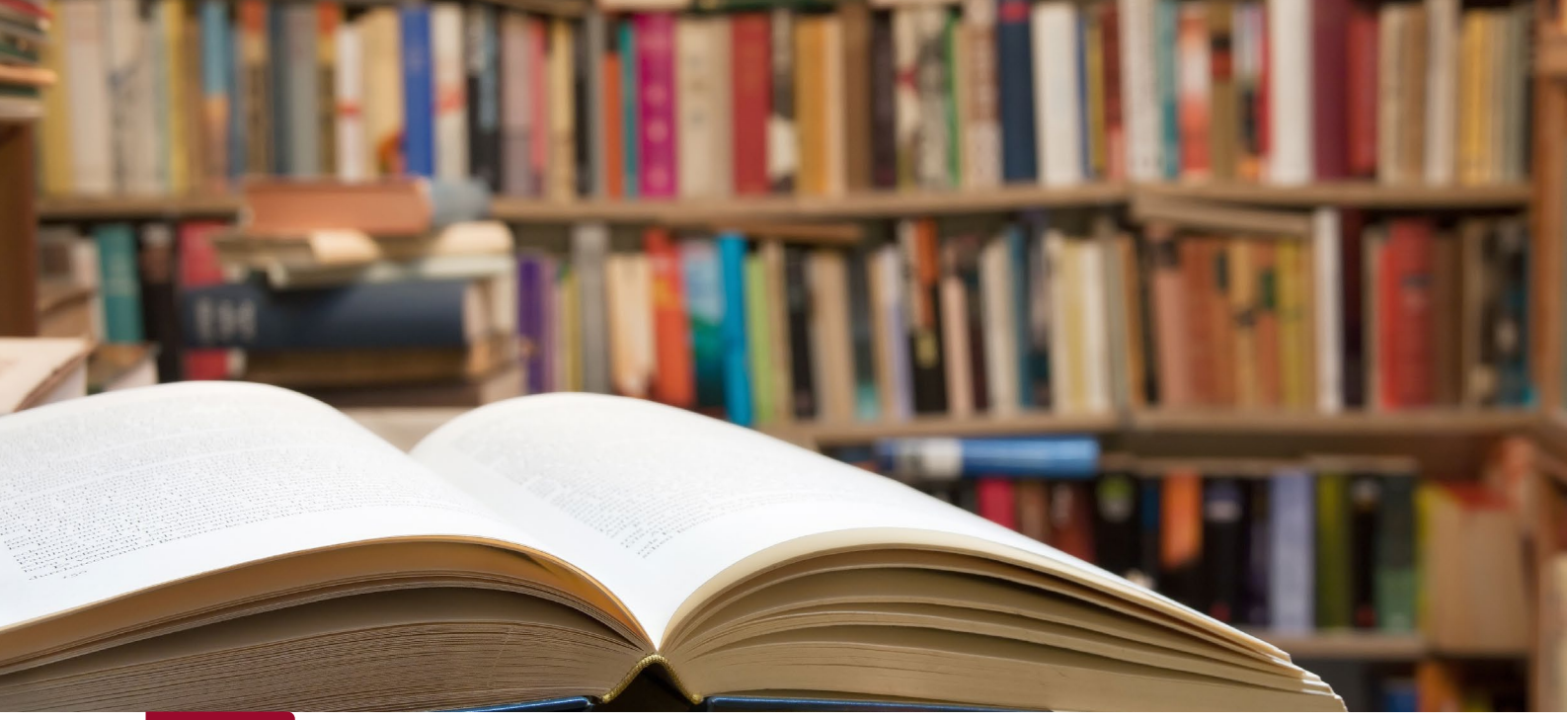
Week 6	Year 10 Parent Information Evening. Distribution of: • Specialist Course Preference Planning Form (hardcopy) and • Year 10 Course Handbook (available online).
Week 7	Year 10 Specialist Course presentations from specialist teachers. • Students advised, from teachers, of Maths, Science and Digital Technology grades, as these are needed as prerequisites for some courses.
Week 6 – Week 8	Any questions about courses: • During lessons, students can ask their current teachers about each Specialist course. • During some PCG2 sessions Heads of Department will visit PCGs and see if students have any questions. • Students should be continuing to read the Year 10 Course Handbook and to ask their subject teachers for further clarification about any queries they may have.
Week 7	Students sent email to their school email address to commence the online completion of their Year 10 course preferences.
Friday Week 8	School must receive parent/guardian confirmation email of student's Year 10 course preferences.
Week 9	Processing of preferences to determine the number of classes of each course for Year 10, 2025.
Week 10	If required, re-selection process for some students if a particular course is not viable to run in 2025.

Term 4

Parents will receive confirmation of specialist courses for their child in Year 10.

COMPULSORY COURSES

ENGLISH
MATHEMATICS
HUMANITIES
SCIENCE



ENGLISH

Year 10 English is structured in a similar way to the Year 11 and 12 ATAR courses. The Year 10 course is designed to develop students' functional and critical literacy, enhance their understanding of generic conventions and improve their research skills.

ENGLISH ADVANCED

The content of this Advanced course is a detailed and analytical examination of both literary and media texts. Students taking this course will have already demonstrated a high level of critical literacy, an ability to write proficiently and work independently. Emphasis is placed on the reading and interpretation of short stories, novel, poetry and drama; and the viewing of feature film. Students will examine the way the context of the reader and a writer affects the production and reception of texts.

Students will also analyse the way texts are constructed for particular purposes through the shaping of language and conventions. Students will create a range of imaginative, informative and persuasive types of texts. Students taking this course will be prepared for either ATAR Literature or ATAR English in Year 11.

ENGLISH STANDARD

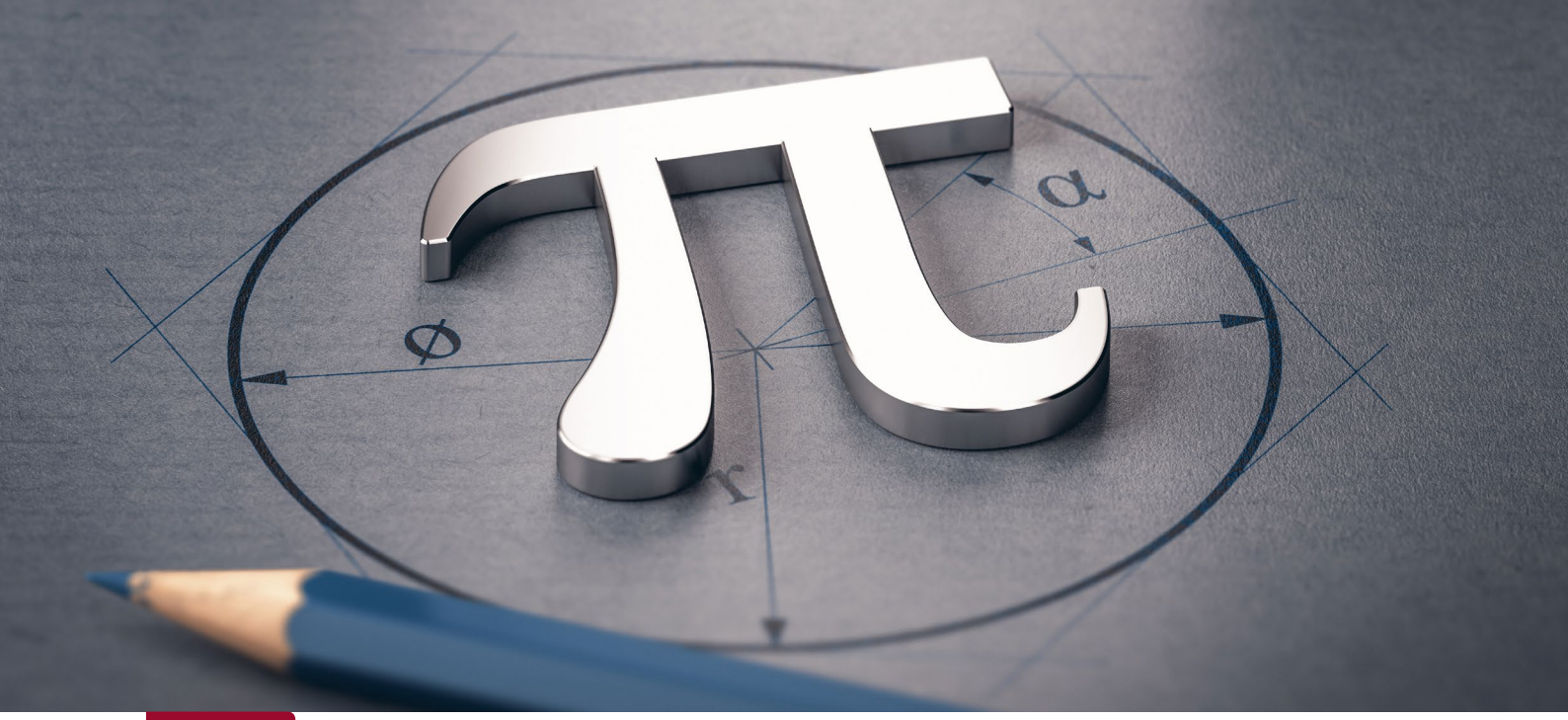
The English Standard course mirrors quite closely the English Advanced course. While the same topics are covered, and essentially the same content taught, the amount and depth of coverage is less than in the English Advanced course. The unit is designed to further develop students' functional and critical literacy skills and enhance their understanding of generic conventions.

They will analyse the way both literary and media texts are constructed for particular purposes through the shaping of the language and conventions of each text type. Students will create a range of imaginative, informative and persuasive types of texts. Students taking this course will be prepared for either ATAR Literature or ATAR English in Year 11.

ENGLISH ESSENTIAL

The content of this course aims to improve students' skills in interpreting texts and to develop a greater awareness of the use of language and conventions in written texts. Students will examine written and visual texts.

Emphasis is placed on developing functional literacy through a range of text types, which is facilitated through additional scaffolding and teacher support. Students taking this course will be prepared for Year 11 General English (or Foundation English for students who do not demonstrate the required level in the OLNA in Year 10).



MATHEMATICS

MATHEMATICS ADVANCED

Those students in the Mathematics 10 Advanced Course show a definite aptitude for Mathematics. Over the course of the year students will develop their understanding of algebraic symbols and the techniques required to solve equations and inequalities. They will also extend their understanding of algebraic functions to include exponential, reciprocal and trigonometric functions.

Students will develop their measurement skills to include prisms and pyramids and advanced trigonometric techniques. In Number, students explore index laws, logarithms, surds and further develop their understanding of rates, ratio and proportion. Spatial concepts and proofs are undertaken and their skills in data collection and probability are further developed. It is anticipated that high achieving students in the Mathematics 10 Advanced course will progress to ATAR Mathematics Methods in Year 11, and some may also choose to do ATAR Mathematics Specialist.

MATHEMATICS STANDARD

Those students in the Mathematics 10 Standard Course will undertake work that is similar to the Mathematics 10 Advanced Course without including the higher order concepts. Students will further develop their understanding of algebraic symbols and the techniques required to solve equations. They will also consolidate their understanding of linear, quadratic and exponential functions. Students will develop their measurement skills to include prisms and extend their use of trigonometric techniques for right angled triangles. In Number, students explore rates, ratio and proportion and develop an understanding of basic index laws. Students will also develop skills in data collection and probability. It is anticipated that most students in the Mathematics 10 Standard course will progress to ATAR Mathematics Applications in Year 11.

This course does not provide the necessary background for ATAR Mathematics Methods or ATAR Mathematics Specialist; therefore students wishing to select these courses in Year 11 must be achieving at a high enough standard in Year 9 so that they are placed in the 10 Advanced Mathematics course.

MATHEMATICS ESSENTIAL

Students in the Mathematics 10 Essential course undertake work delivered within a contextual framework. General number skills and financial literacy are further developed along with the techniques required to solve simple algebraic equations, and manipulate and use linear functions. Direct and indirect measurement techniques are explored and special concepts such as networks, mapping and 3D drawings and transformations are developed. Students will also develop skills in data collection and probability. It is anticipated that most students in the Mathematics 10 Essential course will progress in Year 11 to General Mathematics Essential (or Foundation Mathematics for students who do not demonstrate the required level in the OLNA in Year 10).

SCIENCE

SCIENCE ADVANCED

In the first semester the Science 10 Advanced Course students cover key concepts in Biological Science including basic genetics of inheritance. They will then study theoretical Chemistry, looking at atomic structure and the periodic table, common reaction types, and writing balanced chemical equations. Students will also consider kinetic theory and Newton's Laws.

While students will have the background to enrol in ATAR Biology or ATAR Human Biology in Year 11, the focus in second semester is on preparing students for enrolment in the physical sciences, ATAR Physics and ATAR Chemistry. As such, the students will cover the topic of motion and be reacquainted with Newton's Laws of motion. They will extend this to a deeper and more formal understanding of energy and energy transformations than has been developed previously. Chemistry will also be extended in second semester to cover more advanced topics including chemical calculations.

SCIENCE STANDARD

The Science 10 Standard course mirrors quite closely the Science 10 Advanced course, following the same program through to the first semester exams. While the same topics are covered, and essentially the same content, the amount and depth of coverage is less than in the Science 10 Advanced course. The similarity of the courses means that this course will provide a sufficient basis, for students who do well, to take up either ATAR Physics or ATAR Chemistry in Year 11 should they choose to, although this will require them to achieve sufficiently high marks in Semester One to enable them to change Science classes to the 10 Advanced stream for the second semester, given that there is space for them to make this change.

The remainder of the Science 10 Standard course is focussed on preparing students for further study of ATAR Biology, ATAR Human Biology or General Integrated Science in Year 11. The students complete extended study of global ecological systems and sustainability.

SCIENCE ESSENTIAL

The Science 10 Essential course will be more practically based and is intended primarily for students who will take up General Integrated Science in Year 11, although it will not preclude students who do very well from taking up ATAR Human Biology in Year 11. However, this will require them to achieve sufficiently high marks in Semester One to enable them to change Science classes to the

10 Standard stream for the second semester, given that there is space for them to make this change. Students taking Science 10 Essential would typically not take ATAR Physics or ATAR Chemistry in Year 11 but, consistent with the Western Australian Curriculum, they will cover some physical science topics. These topics include motion and energy from Physics as well as predicting products of common chemical reactions and rates of reaction from Chemistry. Topics such as human physiology, inheritance, evolution, the structure of the universe and the Big Bang theory will be covered in a broad sense. Included as part of these topics, the process of science and its methods of inquiry will be taught. More specifically skills related to data collection, data evaluation and communication of results will be addressed.

HUMANITIES AND SOCIAL SCIENCES

In Year 10, students follow the Humanities and Social Sciences learning area of the Western Australian Curriculum. This comprises of four subjects: Civics and Citizenship, Economics and Business, Geography and History.

HASS ADVANCED

During Year 10 those students in the HASS 10 Advanced course cover key concepts in all four HASS subjects. In History, students continue to develop their historical understanding of key concepts through a study of the modern world and Australia from 1918 to the present. In Geography, students continue to develop their understanding of geographical concepts through an applied focus on the management of environmental resources and the geography of human wellbeing. In Economics and Business, students are introduced to the concepts of economic performance and living standards and develop an understanding of how businesses operate. In Civics and Citizenship students build upon their understanding of the concepts of democracy, democratic values, justice and rights and responsibilities by exploring Australia's roles and responsibilities at a global level. By studying these subjects in depth, students will develop the ability to question, think critically, make decisions based on evidence, devise proposals for actions, and communicate effectively. Students taking this course will be prepared for ATAR History, Geography and Business Management and Enterprise in Year 11.

HASS STANDARD

The HASS 10 Standard course mirrors quite closely the HASS 10 Advanced course. While the same topics are covered and essentially the same content taught, the amount and depth of coverage is less than in the HASS 10 Advanced course. The unit is designed to further develop students' skills in questioning, researching, analysing, communicating, reflecting and evaluating. Some students taking this course will be prepared for ATAR History, Geography and Business Management and Enterprise in Year 11, others for the General Business Management and Enterprise course.

HASS ESSENTIAL

The HASS 10 Essential course, whilst covering the same content and skills as both 10 Advanced and 10 Standard, will be a more practical and inquiry-based course using project-based learning activities to supplement other teaching strategies. Drawing upon students' personal experiences and interests, it will build, extend and challenge existing understandings and perceptions whilst exploring a range of different viewpoints. Where deemed necessary, additional support for individuals and groups of students will be available. Students taking this course will be prepared for the General Business Management and Enterprise course in Year 11.

RELIGIOUS STUDIES

Students will attend one lesson of Religious Studies per week covering four topics over the year.

World Religions: Students examine the nature and characteristics of religion, researching one major world religion and seeking to understand the various beliefs and rituals of that religion.

Social Justice: Students explore the concept of social justice and why religion is concerned with a number of issues that arise in today's world that cause people to be oppressed and discriminated against.

Science and Religion: Students explore how Science and Religion have come into conflict and discover how a person can think scientifically about the world and be a Christian.

Challenges and Changes: Students gain a glimpse into the historical event of the Reformation and the lfe of Martin Luther.

HEALTH EDUCATION

Students will attend one lesson of Health Education per week, with a broad range of topics being studied. Students will be encouraged to discuss their ideas and opinions in an open and safe environment, with topics including personal relationships, sexual health and safety, the Keys for Life driver education programme and lifestyle diseases. In these classes, the student's knowledge and understanding will be assessed.

PHYSICAL EDUCATION

Students will participate in one lesson per week of practical Physical Education activities, which will be mostly team sports. There will be an element of choice involved with the sports selected, from school-based options. Outcomes assessed are Moving Our Body, Learning Through Movement and Understanding Movement. The emphasis for classes in Physical Education in Year 10 will be on participation, with a strong games focus.

SPECIALIST SUBJECTS

ACCOUNTING AND BUSINESS

APPLIED INFORMATION TECHNOLGY (AIT)

BASKETBALL - SPECIALIST BASKETBALL PROGRAM

CHILDREN AND FAMILY STUDIES

CHINESE: SECOND LANGUAGE

COMPUTER SCIENCE

DANCE

DRAMA

FOOD TECHNOLOGY

INDONESIAN: SECOND LANGUAGE

MATERIALS DESIGN AND TECHNOLOGY - WOOD

MATERIALS DESIGN AND TECHNOLOGY - METAL

MEDIA STUDIES

MUSIC

OUTDOOR EDUCATION

PHYSICAL EDUCATION STUDIES

SCIENCE PROJECT

VISUAL ART

ACCOUNTING AND BUSINESS

The Accounting and Business course focuses on financial literacy and aims to provide students with a basic knowledge, understanding and a range of skills to assist them to make financial judgements in the future. An understanding of finance and accounting is important to everyone as financial decisions have far-reaching consequences for individuals, business and the economy as a whole.

The Accounting and Business course allows students to understand the fundamentals of accounting and apply them both to their personal lives and small businesses. The students are introduced to the banking system, cash accounting for small business entities and fundamental accounting principles. They will also look at cash flows, budgeting (both personal and business) and how the share market works.

Financial matters affect every member of our society. It is never too early to begin developing financial literacy and this course is relevant to all students. It is particularly relevant to those considering future studies in General Business Management, ATAR Business Management and Enterprise and/or ATAR Accounting and Finance.

Prerequisite - Year 9 Grade A or B in Mathematics, Semester One, which must be maintained in Semester Two.

APPLIED INFORMATION TECHNOLOGY (AIT)

The Applied Information Technology course provides students with the knowledge and skills to use a range of computer hardware and software to create, manipulate and communicate information in an effective, responsible, and informed manner.

Students develop an understanding of computer systems; skills to manage data; and use a variety of software applications to design, construct and evaluate digital products. Students learn how to apply elements and principles of design in the development of their products and develop skills in using the following applications; including spreadsheets, desktop publishing, graphics editing, drawing, animation and visual programming software.

The course offers pathways to further studies and a range of technology-based careers and a set of skills that equip students for the 21st century and give them an appreciation of the impact of information technology on society.

The course is divided into the following content areas:

- Design concepts
- Project management
- Application skills
- Hardware
- Networks
- Impacts of technology

BASKETBALL PROGRAM

The Specialist Basketball Program builds on the Year 9 experience, fostering basketball opportunities for talented players.

Supplementing the holistic education provided by the School, the Specialist Basketball Program aims to develop physical skills and fitness, teamwork and interpersonal skills. It focuses on improving a player's individual skill set, their overall understanding of the game and basketball concepts that will enable students to compete successfully in basketball at the highest level.

With specialist individual and team coaching sessions within the school timetable, students will grow as basketball players and experience high-level fitness, speed and agility training that will accelerate the leap to becoming an elite player.

Specific sessions in the following areas are a key part of the Program:

- Developing individual skills, techniques, tactics and decision making specific to Basketball.
- High level speed and agility training.
- Developing general core stability.
- Performance testing.
- Individual Development Plans (IDP's).
- Leadership and communication skills.

It is assumed that students who were in the program in Year 9 will continue into Year 10.

For more information please contact the Director of Basketball, Mr Mark Shipley on 9247 2242 or email mshipley@jsracs.wa.edu.au.

CHILDREN AND FAMILY STUDIES

Children and Family Studies is a practical based course. The course provides opportunities to develop an understanding of the physical, emotional, cognitive, and social development of children through play, food and interaction within their family and friends. Students' study social, economic and technological factors that impact on the ability of individuals and families to develop skills and enable them to care for others. They consider individual family and societal factors influencing the development, health status and wellbeing of infants and children studied.

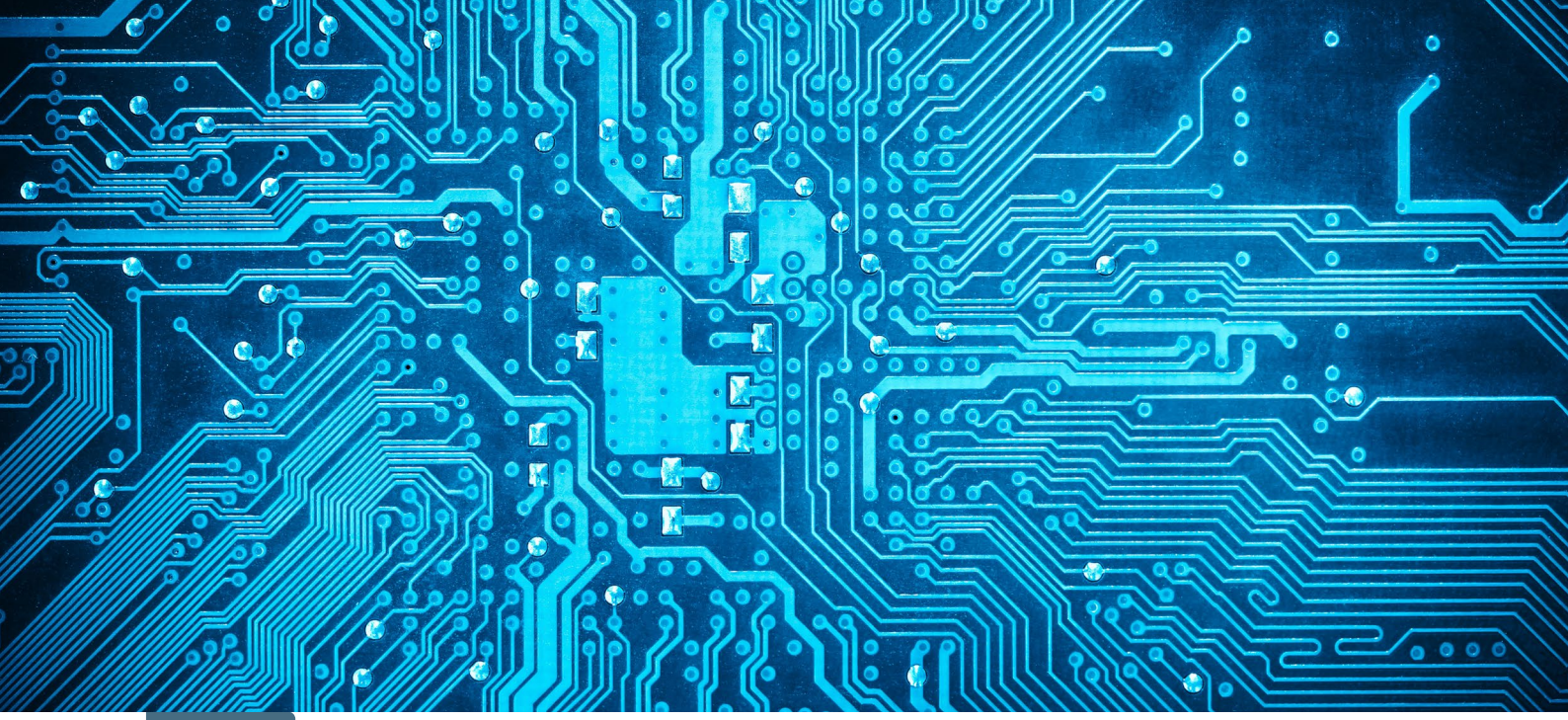
The course looks at contemporary issues in Australian Society surrounding adolescents, to help develop students' individual and group skills to implement plans, problem solving strategies, personal and social skills.

CHINESE: SECOND LANGUAGE

The Year 10 Chinese language course offers students the opportunity to build upon and refine their current Chinese language skills and further enhance their knowledge and understanding about Chinese culture. The course is designed to complement and prepare students for the Year 11 Chinese ATAR course and possible career pathways. Some of the content from the Year 11 course will be introduced in Year 10 so students will become familiar with the vocabulary and topics.

Students studying Chinese as a second language in Year 10 will focus on discussions surrounding careers, studying abroad, and expressing ideas and thoughts about making choices for today and the future. For careers, students will discuss health and physical activity, having a part-time job, and also explore possible career pathways of learning Chinese. For studying abroad, students will utilise their previous knowledge from the career topic and continue to expand their vocabulary and sentence structures through the learning of essential travelling vocabulary and by planning future study in China. These topics will become part of students' compulsory knowledge when travelling overseas or meeting new friends from China. Students will also utilise their knowledge of Chinese sentence structures and grammar learnt in previous years to create a between understanding of how Chinese is used in everyday conversation.

In Year 10 students will also have opportunities to apply their knowledge of the spoken language in real-life scenarios when participating in excursions.



COMPUTER SCIENCE

In the Computer Science Course students are introduced to the fundamental principles, concepts, and skills within the field of information technology. They learn how to diagnose and solve problems while exploring the building blocks of information systems.

Students explore the principles related to the creation of computer and information systems; software development; the connectivity between computers; the management of data; the development of database systems; and the moral and ethical considerations for the use of computer systems. Practical skills taught include using spreadsheet and database design and developing code using the Python programming language.

This course provides students with the practical and technical skills that equip them to function effectively in a world where these attributes are vital for employability and daily life in a technological society. Students considering careers in Technology or Engineering would benefit from the background this course offers.

The course content is divided into five areas:

- Systems analysis and development
- Managing data
- Developing software
- Programming
- Networks and communications.

Prerequisite - Year 9 Grade A or B in Mathematics. For those students doing Digital Technologies in Year 9, the prerequisite Grade is A or B in Digital Technologies. Grades must be maintained in Semester Two.

DANCE

Dance gives students the opportunity to learn several modern genres of dance, and perform to a range of audiences. This course aims to develop dance skills and techniques in the genres taught, as well as allowing students to express their own opinions, ideas and emotions through their choreographic and written tasks. Year 10 Dance is good preparation for both the ATAR and General Dance courses in Year 11 and 12.

Students will be given set technique classes in the genres of Jazz and Contemporary, which will allow them to develop their skills so they can then perform a class dance. They will learn a variety of choreographic devices and then use these devices to choreograph their own work for performance. Students will also record their class work and reflect on dance performances. Through theory lessons, students will cover basic dance theories related to anatomy, reviewing professional performances, specific dance genres, safe dance practices and dance themes and issues. A broad introduction to dance genres enables students to place dance in its time and place and begin to understand its functions within this context.

Assessment will be a combination of practical and theoretical tasks. Students will be expected to demonstrate various choreographic devices within their choreography, review a dance performance, teach their peers a warm up and research a dance artist and genre. They will be assessed on their technique in class as well as their performance of a class dance at a public performance. Students will be assessed on a short dance, which they choreograph and perform themselves, as well as submitting a number of theory based assignments and sitting a written exam.

DRAMA

Drama is a vibrant and varied art form found in play, storytelling, street theatre, festivals, film, television, interactive games, performance art and theatres. It is one of the oldest art forms and part of our everyday life.

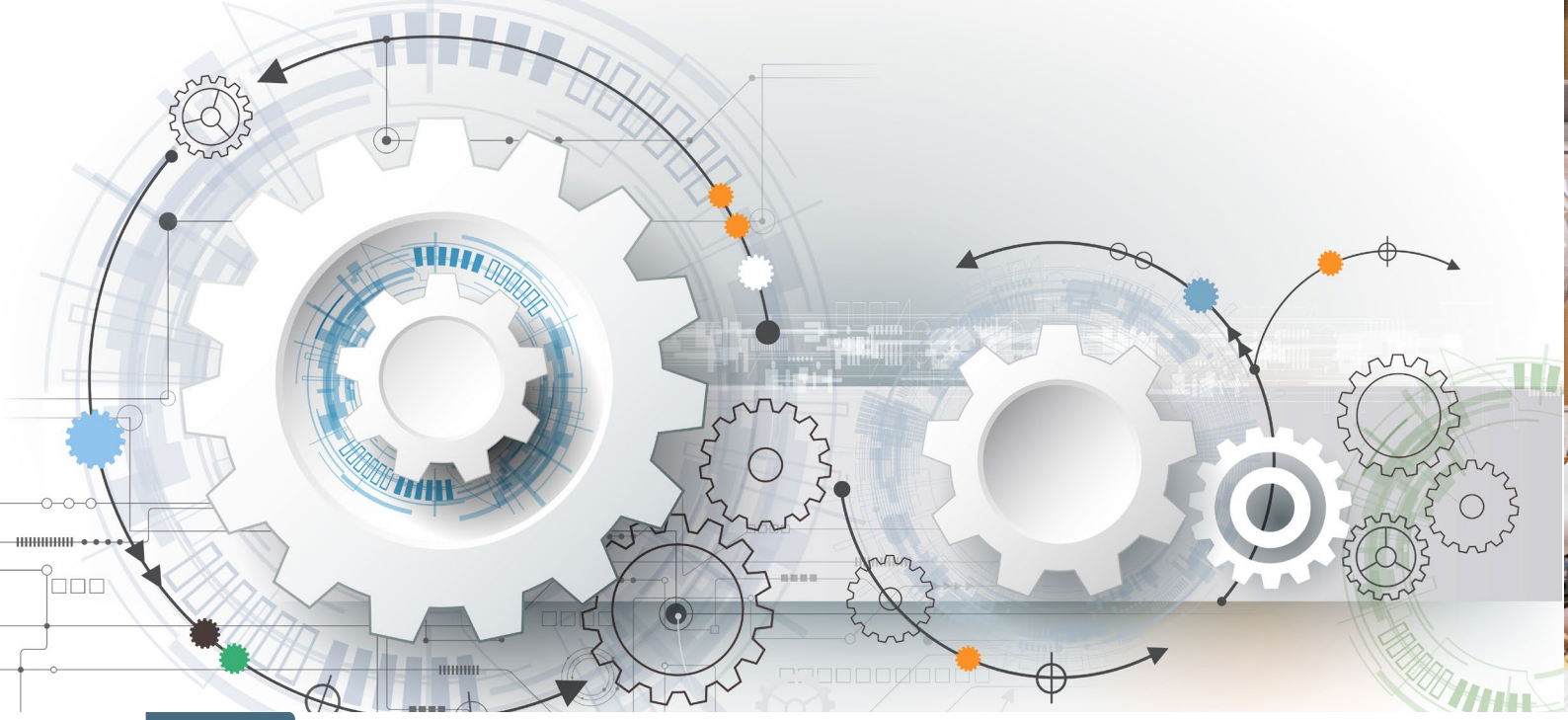
In this course, students engage in both Australian and world drama practice, including Realist and Non-Realist drama and Children's Theatre.

The course content is divided into two content areas:

- drama response
- performance and production

Students achieve through the key activities of creation, performance and reflection. They reflect, respond and evaluate drama and become critical, informed audiences, understanding drama in the context of their own society and culture. They engage in drama processes such as improvisation, play building, text interpretation, play-writing and design which allow them to create original drama and interpret a range of texts written or devised by others.

Students work independently and collaboratively, learning time management skills and showing initiative and demonstrating leadership and interpersonal skills. Drama requires them to develop and practise problem-solving skills through creative and analytical thinking processes.



ENGINEERING

The Year 10 Engineering Course provides a flexible framework that encourages students to be creative, innovative, and enterprising in an ever-changing world. They apply critical thinking and problem-solving skills, and incorporate technologies to address design problems and challenges. This subject incorporates the transfer of interdisciplinary skills and knowledge and promotes individualised and inquiry-based learning. Design, Technology, and Engineering provides opportunities for students to apply engineering processes and use new and evolving technologies including Laser Cutting, CNC Plasma Cutting and 3D Printing.

In this course students use an iterative design process to explore possible solutions to a problem or opportunity. They investigate and analyse the purpose, design features, materials, and production techniques used across diverse situations. This information is used to create a design brief that provides the basis for the development of potential solutions. The importance of the design process as a preliminary to the realisation process is emphasised, as is ongoing evaluation of the solution.

Students apply appropriate skills, processes, procedures and techniques whilst implementing safe work practices when creating their solution. Typical tasks set for Year 10 Engineering students include:

- A design folio, including 3D sketching and modelling
- Production of small set tasks to establish machine competence
- Major project incorporating CNC, Laser, 3D Printing manufacturing techniques
- Investigation of material properties, physics concepts and engineering calculations

NB - This course has a higher level of academic rigour than the Materials Design and Technology - Wood and Metal courses. Students with higher levels of achievement in Mathematics, Science and Digital Technology will be given preference to the places available.

This course is intended as a valuable pre-requisite for ATAR Engineering Studies. It is not required for the more practical based General Engineering which is part of the Year 11 Trade Preparation Pathway.

Prerequisite - Year 9 Grade A or B in Mathematics and Science. Grades must be maintained in Semester Two. The final list of students enrolled in this course will be the top 24 students who apply.

FOOD AND TECHNOLOGY

You may be thinking about a career in food, nutrition, the wellness industry or be passionate about food and cooking. In this practical course you will cook a range of contemporary foods, focusing on how food preparation techniques and the presentation of dishes impact on the sensory properties of food. You will learn about healthy eating practices and gain a knowledge of nutrients; aspects of food safety and preservation used in a kitchen environment. You will study food production and the environmental impacts of the journey from paddock to plate. Work independently, and collaboratively to manage projects, using digital technology. Your projects consider time, cost, risk, safety, production processes, sustainability and legal responsibilities. We encourage you to design Instagram worthy food projects which meet student developed criteria.

In this course you will develop the skills to transition into Year 11 General Food Science and Technology and/or the Certificate II/III in Hospitality course.

INDONESIAN: SECOND LANGUAGE

The Year 10 Indonesian language course offers students the opportunity to build upon and refine their current Indonesian language skills and further enhance their knowledge and understanding about Indonesian culture. The course is designed to complement and prepare students for the Year 11 Indonesian ATAR course and possible career pathways. Some of the content from the Year 11 course will be introduced in Year 10 so students will become familiar with the vocabulary and topics.

In Year 10, an emphasis is placed on comparing Indonesian and Australian teenage lifestyles, Indonesian grammar, speaking about careers and ambitions, exchanging ideas and opinions about choices for the future concerning health, physical activity and the environment as well as the benefits of learning a language and going on exchange. The focus on these areas will be beneficial to students when looking at travelling to Indonesia or other countries in the future.

Year 10 students will work closely with the exchange students and teachers from our partner schools in Bali; Harapan Christian School and Raj Yamuna School in Denpasar, when they are visitors at JSRACS. In addition, Year 10 students may also consider participating in JSR's annual school trip to Indonesia. This trip gives students the chance to communicate in Indonesian to locals, make lifelong friends and experience school and cultural life in Indonesia. A focus of the School trip is encouraging the use of Indonesian language as much as possible. Please note, participation in the Bali School trip is not a compulsory part of studying Indonesian.

Students will be assessed on their writing, reading, listening and speaking capabilities. Class time will be used to learn new concepts and practise refining their language skills. Students will be expected to practise their vocabulary at home in order to prepare them for the topics covered.

MATERIALS DESIGN AND TECHNOLOGY - WOOD

The Materials Design and Technology–Wood Course continues to foster the skills already developed in lower school. Students are introduced to more complex tasks in the process of Design, Make and Appraise. The area of study for this unit is focused upon the material wood. Students will also train in the use of design CAD and the incorporation of Computer Aided Machining.

Students will be required to show skills in the development of pencil and computer drawn designs, working drawings, the use of a CNC wood router and laser cutter, and complete wood projects in a workshop environment. Theory topics will be based upon workshop safety, studies of materials, tools and their use.

Typical tasks set for Year 10 students in the wood context will include:

- A design folio
- The understanding and use of operating CNC based machinery
- The development of Computer Aided Design skills
- The production of two projects; a CNC engraved clock and laminated sandboard

MATERIALS DESIGN AND TECHNOLOGY - METAL

The Materials Design and Technology–Metal Course continues to foster the skills already developed in lower school. Students are introduced to more complex tasks in the processes of Design, Make and Appraise. The area of study for this unit is focussed upon the material metal. Students will also be trained in the use of design CAD and the incorporation of Computer Aided Machining.

Students will be required to show skills in the development of pencil and computer drawn designs, working drawings, use of the plasma cutter and complete production based tasks in a workshop environment. Theory topics will be based upon workshop safety, studies of materials, tools and their use.

Typical tasks set for Year 10 students in the metal context will include:

- A design folio
- The production of two projects in metal; candelabra and foldable shovel.
- The development of Computer Aided Design skills
- The understanding and use of operating CNC based machinery

MEDIA STUDIES

In Media Studies students will learn to identify the conventions of a variety of genres including Action, Horror, Teen Drama and German Expressionism. They will study how these genres are used in commercial television shows to make profit and manipulated in independent films for artistic expression. Students will make a variety of short film productions that help to develop their production skills particularly scripting, storyboarding, cinematography and editing. They will also continue to develop their photography skills and personal style.

Assessment will be a combination of practical and theoretical assignments. Students will be assessed on the practical skills of video production they have acquired. They will also be required to demonstrate that they can work successfully in small production groups. The course is highly recommended for students who wish to study ATAR Media Production and Analysis in Year 11 and 12.

The Media Production and Analysis Course in Year 11 and 12 is designed for students who plan to apply for either TAFE or University entrance and are interested in pursuing courses or a career in areas such as Film, TV, Radio, Newspaper and Magazine production, Journalism, Photography, Public Relations, Media and Communications, Information Technology / Computing / Multimedia, Graphic/ Fine Arts, Theatre and many more.

MUSIC

Music in Year 10 will extend the skills of students carrying on from Year 9. The course will develop students' understanding of how harmony, melody and rhythm are used to create the greatest music ever composed.

The course begins with students listening to, analysing and then creating their own Contemporary Rock solo for piano, bass, drums and their choice of solo instrument. Students also study Western Art, Jazz and Contemporary music. They will also be expected to develop their skills in aural, theory, arranging, performing and composition.

Students must be able to play an instrument or have competent vocal skills. Weekly instrumental lessons are considered essential. Students studying music in Year 10 are expected to be involved in one of the Schools' many ensembles which rehearse once a week. Students will also develop performance skills as a solo performer and in an ensemble.

Assessments will be a combination of practical, performance on their chosen instrument and written assessments. It is desirable that students studied elective classroom music in Year 9.

OUTDOOR EDUCATION

Outdoor Education promotes the development of effective individual and group skills through participation in a wide range of activities including a camp. Emphasis is placed on developing leadership qualities and creating a sense of responsibility for self, others and the natural environment.

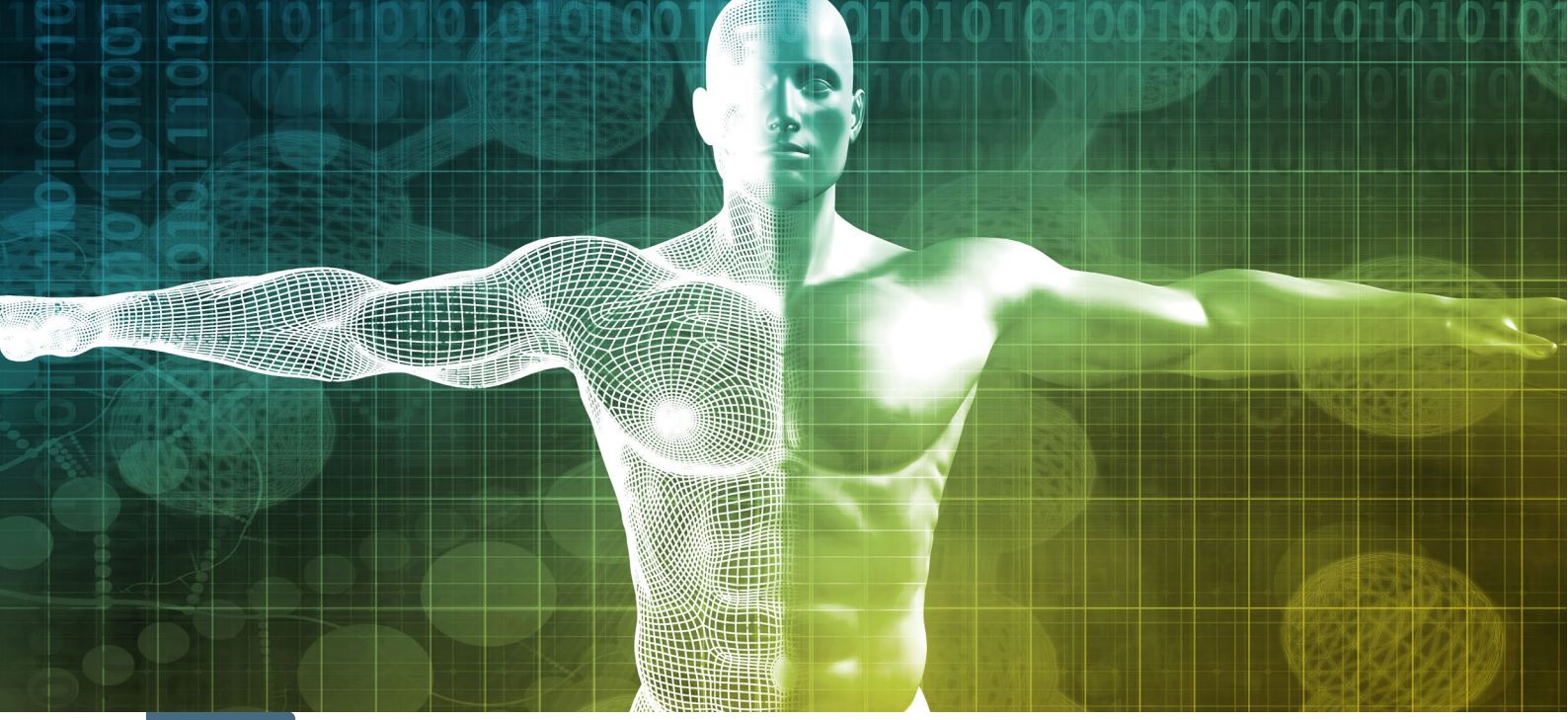
Outdoor Education in Year 10 offers an introductory course to those students interested in continuing Outdoor Education in Year 11. Students will be involved in both practical and theoretical activities on the following topics:

- Team building activities
- Snorkelling
- Roping activities
- Climbing
- Abseiling
- Orienteering, Navigation and Mapping Skills
- Camping Skills (tenting, cooking, planning expeditions)
- Study of and care for the natural environment
- One camp

At the completion of the course, students should have developed an appreciation for the natural environment and have the confidence to plan and partake in camping activities in a responsible and safe manner. In addition to this, students will learn to co-operate effectively in group settings, develop leadership skills and develop respect for themselves and others. It is likely that students who were in the programme in Year 9 will continue in Year 10 to build on the skills they have learnt in Year 9.

Prerequisites:

- Must be able to swim 200m and tread water for 10mins
- Must be able to ride a bike (Rottnest excursion & potential mountain biking on camp)
- Must be willing to challenge yourself with heights and climb to heights
- Must be organised, motivated, capable of physical activities and have stamina- as demonstrated in PE classes in Year 9, or in Outdoor Ed classes in Year 9 for those students who have done Outdoor Ed as an elective in Year 9.
- Must be someone who has demonstrated a high level of responsibility and conducts them self in a safe manner
- Must be someone who is cooperative, listens, and responds to instructions the first time they are given.



PHYSICAL EDUCATION STUDIES

Physical Education Studies is a course that is designed to meet the needs of those students who show a keen interest in health and fitness, physical activity and sport. Emphasis is placed on physical activity and performance as well as acquiring knowledge and understandings of health and fitness concepts.

Physical Education Studies in Year 10 offers an introductory course to those students interested in continuing Physical Education Studies as a course of study in Year 11. The course aims to provide students with interesting and meaningful learning experiences to motivate them in their sporting pursuits. Components of the course include:

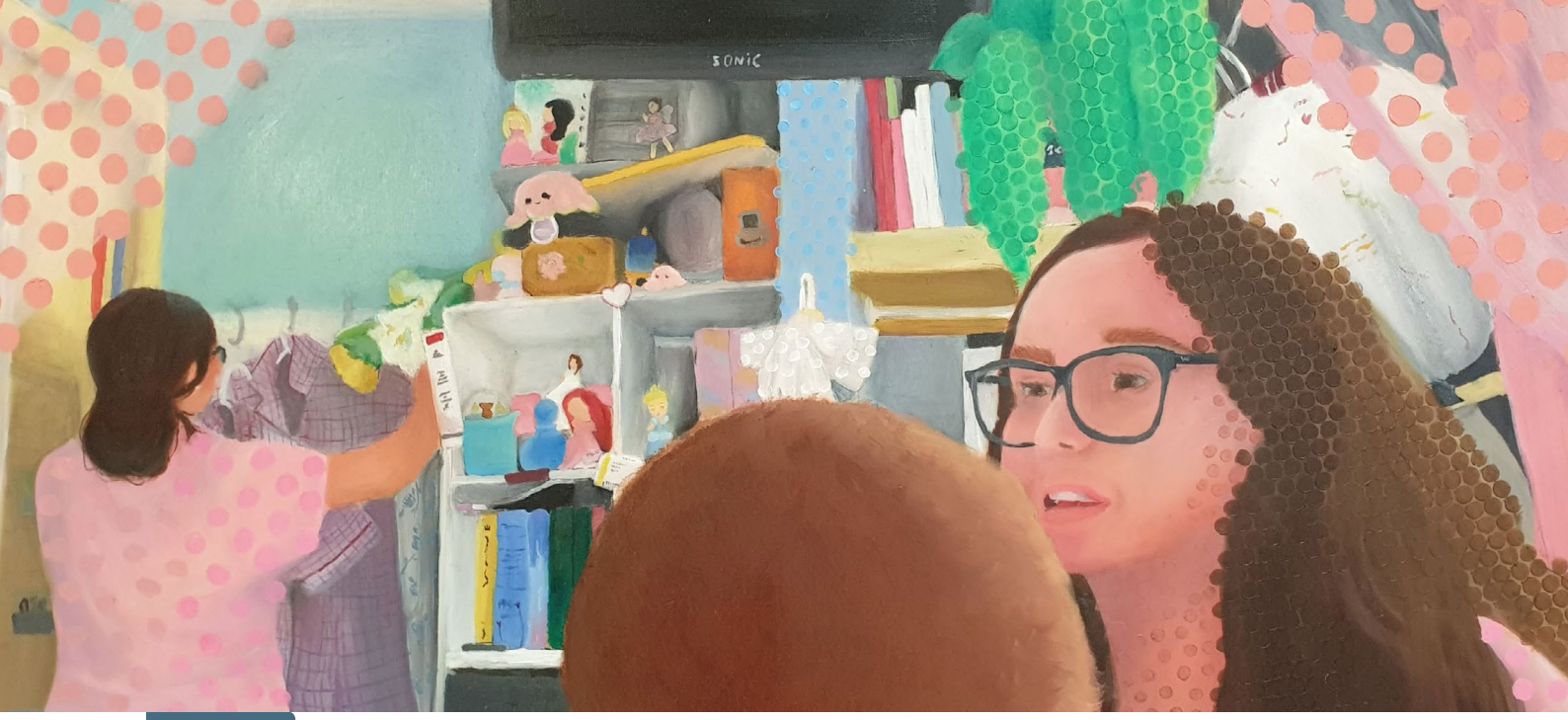
- Physical Activity Component – Students will be given the opportunity to participate in selected sporting activities during the course of the year. The focus during these activities will be skill development and analysis, and strategies and tactics of game play. In addition to this, students will be involved in peer coaching and general conditioning and exercise activities.

- Theoretical Component – Students will be given the opportunity to study various health and fitness concepts that form direct links with the practical component of the course. Key concepts to be covered include:
    - » Developing skills, strategies and tactics
    - » Biomechanics
    - » Motor learning and coaching
    - » Sports Psychology
    - » Functional Anatomy
    - » Exercise Physiology

SCIENCE PROJECT

The Science Project course is a specialist course that is designed to engage students in a highly practical way. It will foster creativity, application of scientific and technical knowledge, and perseverance through task orientated project work. Initially students will look at approaches to problem solving and developing ideas, beginning with a simple application and following through to more complex applications. Students will participate in teacher led demonstrations of an open investigation to develop their skills. These investigative skills will then be applied as they are guided to develop their own open investigations in topics of their choosing. They may work on a project individually or in a small group. Students will demonstrate that they can be creative, have persevered and carried out research into a topic that has applications in the everyday world.

This course is designed for students with creative flair and a passion for Science, who like to research topics of their own interest. The course also gives the students a chance to have their research work recognised with the awarding of a CSIRO bronze or silver CREST award.



VISUAL ART

The Year 10 Visual Arts course provides students with the chance to discover and experiment with different art forms while exploring their own creativity. This course helps students develop their critical thinking and problem-solving skills, as well as their innovative and creative intelligence. Students who undertake this course will have the opportunity to explore some of the following:

- Drawing in a variety of styles and art mediums
- Acrylic and oil painting
- Printmaking- relief and intaglio printing
- Sculpture, wearable art and ceramics
- Digital Photography

There will be two themed projects over the course of the year allowing students approximately 14 weeks per project to develop original ideas and experiment with art materials before arriving at a final studio artwork.

The Year 10 Visual Arts course consists of two themed projects that span approximately 14 weeks each. During this time, students will have the opportunity to develop original ideas and experiment with a range of art materials before creating a final studio artwork. The course is designed to engage students through practical tasks that expand their technical knowledge and foster the development of original ideas. Alongside hands-on artmaking, students will also engage in theoretical studies that involve analyzing art and studying pivotal artists and art movements, both contemporary and historical. The course is intended to prepare students for the ATAR or General Visual Art courses offered in Year 11 and Year 12 by providing a solid foundation in technical skills and critical analysis.

Year 10 in 2025
Specialist Course List and Staff

Parents and students are encouraged to contact the staff listed if they would like advice or further information about the various specialist courses.

Department	Subject	Staff Contact
Arts	Dance	Ms Tarsha Smolenski
	Drama	Mrs Tracy Carr
	Music	Mr Jason Kidd
	Visual Art	Mrs Beverley Brown
Information Technology	Applied Information Technology	Mrs Diane Vettler
	Computer Science	Mrs Diane Vettler
Food and Consumer Studies	Food Technology	Ms Sharna Sjepcevic
	Children and Family Studies	Ms Sharna Sjepcevic
Languages Students may select only 1 Language	Chinese: Second Language	Mr Brendon Cook
	Indonesian: Second Language	Mr Brendon Cook
Materials, Design and Technology Students may select maximum of two; however, we may not be able to accommodate all students with two courses.	Engineering	Mr Heath Edmunds
	Materials, Design & Technology – Wood	Mr Heath Edmunds
	Materials, Design & Technology – Metal	Mr Heath Edmunds
Media	Media Studies	Ms Jordy Cook
Physical Education Students who are in the Basketball Program may NOT select Physical Education studies.	Physical Education Studies	Mr David Traynor
	Outdoor Education	Mr David Traynor
Specialist Basketball	Specialist Basketball Programme	Mr Mark Shipley
Science	Science Project	Mr Michael Bailey
Humanities and Social Sciences	Accounting and Business	Ms Diane Vettler

For general queries and advice about specialist course preferences please contact your student's Year Coordinator, PCG Tutor or the Director of Teaching and Learning-Senior School.

For specific questions relating to any of the specialist courses above please contact the staff member listed above.

Year 11 and 12 Overview

In Year 11 and 12 students will have the choice of six clearly defined pathways. Depending on the pathway and a student's Year 10 marks, students will be able to select between a number of ATAR and/or General and/or Certificate courses. For more information on Year 11 and 12 pathways and courses on offer, as well as WACE (Western Australian Certificate of Education) requirements and Year 10 pre-requisites for Year 11 and 12 courses as they currently stand, please access the following two links:

Year 11 and 12 Course Handbook - jsracs.wa.edu.au/year-11-and-12-course-handbook/

Year 11 and 12 Subject Selection Overview Document - Year 10 Course prerequisites for Year 11 2025.pdf

Please note that there may be slight variations from year to year on Year 11 and 12 courses offered as well as the Year 10 prerequisites needed for different Year 11 and 12 courses.

If you have any further queries about a particular Year 11 course please speak to the relevant Head of Department, Teacher in Charge or specialist teacher, as listed in the back of the Year 11 and 12 Course Handbook.