



Christ Church Grammar School

Year 11, 2023 Subject Selection Information Booklet

The Careers Counsellor, Tutor and Head of House will discuss subject selections with students and their parents.

Information from teachers about the progress of individual students in Year 10 courses was provided in the Term 1 Report and at the Parent Teacher Interviews in Week 2 of this term. Further information can be obtained from standardised testing results that will be made available to parents in Term 2 as well as the Semester 1 report at the end of Term 2.

This Subject Selection Information Booklet should be viewed in conjunction with the Subject Selection Interview Preparation Booklet, which needs to be printed and brought to the Subject Selection Interview in Weeks 7/8/9.

Information on how to enter subject selections online will be sent out in Week 8, Term 2.

The initial online subject selection will need to be completed and submitted by **Friday 1 July**.

You can make changes to selected subjects until **Wednesday 27 July**.

Subject selection timeline

1. **Terms 1 and 2**

Ms Jody Clarke completes a unit on careers with Year 10 students in Health and Wellbeing classes, discussing career decision-making, work values, job investigation and upper school subjects. The Deputy Principal/Director of Studies and Assistant Director of Studies brief students on the selection process.

2. **Wednesday 25 May**

The following documents are made available to parents:

- Year 11 2023 Subject Selection Information Booklet via email
- Year 11 2023 Subject Selection Interview Preparation Booklet via email
- Student Profile - Assessment of individual student strengths and weaknesses via Nexus (may be delayed due to COVID)

3. **Wednesday 25 May**

Year 10 Parent Information evening.

4. **Tuesday 7 June – Friday 24 June**

Individual interviews with Year 10 boys to discuss subject choices. Boys must bring with them their completed Year 11 Subject Selection Interview Preparation Booklet. Interviews are held with Head of House, Careers Counsellor and (for boarders) their Boarding Co-ordinator. Parents will receive an email outlining the date and time of this meeting. The meeting will either take place in person or via a webportal (in line with current Government regulations for COVID isolation). Copies of each boy's current marks will be available for reference.

5. **Friday 1 July**

Closing date for initial subject selections.

6. **Wednesday 27 July**

Closing date for changes to subject selections. The 2022 timetable is developed from these selections.

Parents and students will be advised as soon as possible if advertised subjects will not run in 2023 or if a student's selection is not possible on the timetable.

Some subjects may be run at MLC and some may have MLC girls enrolled. Parents and boys will be advised later in the year if a selected subject is to run at MLC.

7. **Later Term 3 and Term 4**

Subject changes permitted where it can be facilitated by the timetable. Please contact the Studies Office directly by email (cc all parties) to make any changes.

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Career types

What parents can do to help with subject selection

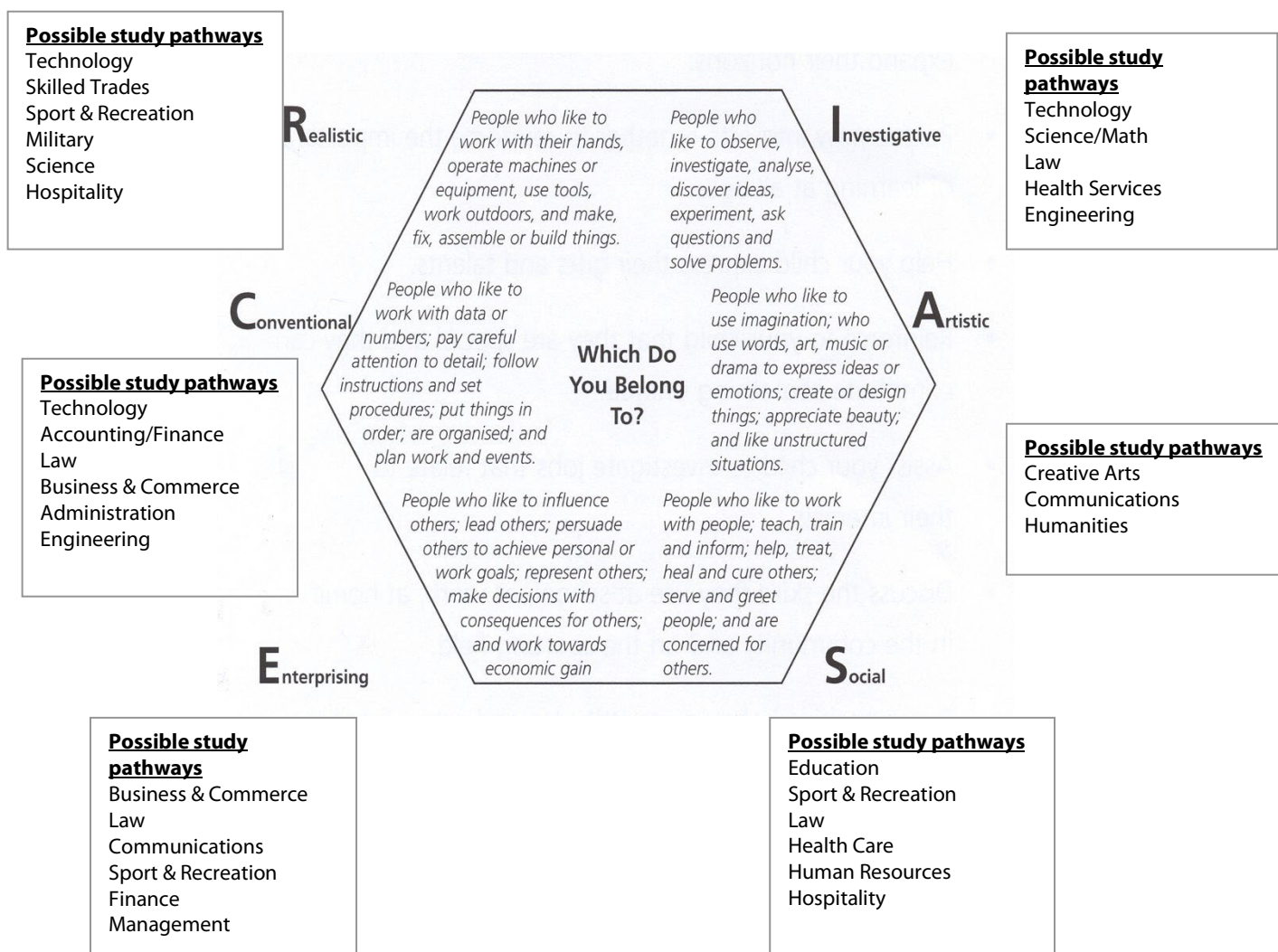
Your son is the most important person in this process and should be the one who makes the final decision. As parents, you can help by encouraging your son to work through each of a series of steps toward making a decision. Each step involves exploring options.

What boys can do to select subjects effectively

Read through the next two pages and try to address the questions as best you can. There is no need for you to write any responses to questions in this section.

The way to identify your career type is by exploring the following six career categories. It works on the belief that all types of work can be categorised within these six areas and by selecting the area(s) that is (are) most suited to your personality, you are more likely to find career satisfaction.

Based on John Holland's Career Theory.



For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Step 1: Asking basic questions

- What am I interested in?
- What am I good at?
- Would I like to work indoors or outdoors?
- Would I like to work with my hands or with words and figures?
- Would I like to work in a team or by myself?

(You have already covered some of this in the Year 10 Career Education Course and it may be a useful reference.)

Step 2: Exploring the career interest area

- What jobs are available in this career area?
- What do these jobs involve?
- What do people who work in these jobs say about their work?

Step 3: Looking at specific jobs in the career interest area

- What qualifications are needed for this job?
- What personal qualities are required?
- What are the job prospects?
- What are the conditions of work? (place, time, travel, holidays)
- How much will I be paid?
- What prospects are there for promotion?

Who you can talk to

The Careers Counsellor, Ms Jody Clarke, will be able to give you career advice and advice about the subjects that you select in Years 11 and 12. When you choose your subjects you will need to make sure that your choices match the career choices that you want to make. Ms Clarke will help you with information related to:

- subjects required for entry to university (in WA, elsewhere in Australia or overseas)
- subjects related to careers/occupations
- relevant subjects for post-secondary courses at Registered Training Organisations (RTOs), for example TAFE and private providers.

There are other people apart from the counsellor who can assist you to make informed decisions. They could include:

- subject teachers, tutor, Head of House
- parents
- friends
- advisers from TAFE and universities and training providers
- students who are currently studying the subjects that interest you
- employers or people within an industry or organisation that interests you
- role models or successful people in the career of your choice.

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

For more information on courses and careers

Please use any and all of the following for further information:

- **Careers Counsellor** – Ms Jody Clarke, 9442 1604
- **Department of Training and Workforce Development: Career Centre**,
<http://www.careercentre.dtwd.wa.gov.au>
- **SCSA Year 10 Information Handbook**
<http://k10outline.scsa.wa.edu.au/home/resources/year-10-information>

Useful Websites:

www.myfuture.edu.au – offers career information that assists with career planning and pathways

www.gooduniversitiesguide.com.au/ - Australian university course comparison website

www.gooduniversitiesguide.com.au/careers-guide – job descriptions to help find the right career for you

www.jobsearch.gov.au - a website that connects job seekers with employers

www.careercentre.dtwd.wa.gov.au – Job and career advice specific to Western Australia

www.joboutlook.gov.au – has useful information about long-term job prospects

For detailed information on Year 11 Courses visit the School Curriculum and Standards Authority website at:

<http://senior-secondary.scsa.wa.edu.au>

For information on University Admissions, visit the Tertiary Institutions Service Centre (TISC) at:

www.tisc.edu.au

For information on TAFE Admissions, visit TAFEWA at:

www.tafe.wa.edu.au

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Building of the Timetable and Potential for Changes of Subjects

- At CCGS, the timetable is built based upon the preferences that students have entered into the online subject selection portal.
- While every attempt is made to ensure students are able to study their selected subjects, not every combination of subjects will be possible. Additionally, some advertised subjects may not run in a given year, if there is not sufficient student interest.
- It is important that students consider their choices of reserve preferences carefully and be prepared for the possibility that it may not be possible to study all of their selected subjects.
- Additionally, once the timetable has been set, it cannot be guaranteed that a requested move will be possible. This may be due to clashes on the timetable or because classes are already at capacity.
- **This includes** requests to move from Literature to English and vice versa and from Mathematics Methods to Mathematics Applications.
- Students and parents are asked to consider their choices of subjects carefully and to not have an expectation that they will be able to move at a later time.

It cannot be guaranteed that any changes will be possible on the timetable. Students must factor this into their decision making processes.

Any approaches to the Studies Office are only in the form of a request, the feasibility of which will then need to be investigated.

ATAR pathway - subjects

This section describes the subject options available to students who are seeking to receive an ATAR at the end of Year 12. This is required for direct entry into university and is sought by many of our students.

In Year 11, students study 6 subjects. In Year 12 students on an ATAR pathway may replace one of their 6 non-English subjects with a Private Study.

Please use this section as a rough guide to which options are suitable for you. It is not prescriptive; nevertheless, it will give a clear indication of what would be an appropriate / inappropriate subject choice. For more specific information or further guidance, please be in contact with your son's teacher or the Head of Department.

The short descriptions of courses which follows are designed to give you an overview of each course. Further detail is available in the syllabus document for each subject, which can be found at <http://senior-secondary.scsa.wa.edu.au>.

Students studying an ATAR pathway **may** choose one or two of their six subjects from the 'Non-ATAR pathway' section of this document. Please find these subjects listed later in this booklet. Study of one such subject is recommended in cases where a boy is not confident that he will be able to handle the workload of six ATAR subjects. Study of two general subjects is recommended in few circumstances.

On the following pages, every subject being offered is listed, grouped by learning area.

Art

Students may choose to study one or more Art based subjects in Year 11 and 12, even if they did not study an Art based subject in Year 10. Previous study would, however, be an advantage.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
Any Art based subject and English	≥ 60%*	Visual Arts ATAR and/or Design ATAR and/or Media Production & Analysis ATAR
Any subject	Any	Visual Arts General and/or Design General (see the 'Non-ATAR Pathway' at the end of this booklet)

* Students who have achieved a mark lower than 60% may experience difficulty in further study of the subject at an ATAR level.

Visual Arts ATAR engages students in traditional, modern and contemporary media and techniques within a broad range of art forms. **Visual Arts General** teaches similar concepts in less detail, placing a greater emphasis on the practical elements of the course.

Design ATAR allows students to develop a competitive edge for current and future industry and employment markets. Design will be studied within the context of Digital Photography or Graphics. **Design General** teaches similar concepts in less detail, placing a greater emphasis on the practical elements of the course.

Media Production & Analysis ATAR develops students' skills to make and understand traditional and emerging media including film, photography, newspapers, magazines, television and emerging multimedia technologies.

Contact

Ms Pam Yordanoff

Head of Art

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Computer Science

Students may choose to study one or more Computer Science based subjects in Year 11 and 12 even if they did not study a Computer Science based subject in Year 10. Previous study would, however, be an advantage.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
UNSW High School Computing	Credit	Computer Science ATAR Year 12 (accelerated)
Ethical Hacking or Data Science and Artificial Intelligence	≥ 55%*	Computer Science ATAR and/or Applied Information Technology ATAR
Any subject	Any	Computer Science General (see the 'Non-ATAR pathway' at the end of this booklet)

* Students who have achieved a mark lower than 55%e may experience difficulty in further study of the subject at an ATAR level.

Computer Science ATAR focuses on the core principles, concepts and skills required to develop computer systems that provide innovative digital solutions to real-world problems. Students will develop their computational, algorithmic and systems thinking skills which can then be applied to a range of problems, including domains outside Information Technology. In addition to the opportunity to produce meaningful software, students will examine techniques to manage large amounts of data and securely connect devices to share that data. This course provides students with skills that will be of benefit in a range of post-school pathways, including further study in Computer Science courses and supporting studies in other areas such as Science, Engineering, Mathematics and Business.

Computer Science General teaches similar concepts in less detail, placing a greater emphasis on the practical skills involved in developing a system and setting up a home network.

Applied Information Technology ATAR teaches students the skills and principles related to the use of digital technologies in a responsible and informed manner. Students will gain an understanding of computer systems and networks and learn strategies to solve information problems using various technologies.

Contact

Mr Chris Anderson

Head of Computer Science

Design & Technology

Students may choose to study one or more Design & Technology based subjects in Year 11 and 12 even if they did not study one in Year 10. Previous study would, however, be an advantage.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
Any D&T subject and Mathematics	≥ 60%*	Engineering Studies ATAR and/or Materials Design & Technology ATAR (Wood)
Any D&T subject	≥ 60%*	Materials Design & Technology ATAR (Wood)
Any subject	Any	Marine & Maritime Studies General and/or Materials Design & Technology General (Wood or Metal) (see the 'Non-ATAR pathway' at the end of this booklet)

* Students who have achieved a mark 60% or lower may experience difficulty in further study of the subject at an ATAR level.

Engineering Studies ATAR is a practical subject in which students design, manufacture and program mechatronic devices. Learning activities include working with basic electronic components, computer aided design and manufacture in 2D and 3D, mechanisms and introductory computer programming. The theoretical part of the course is based on mathematical rules and general engineering principles that support the activities mentioned above.

Food Science & Technology ATAR is a practical subject in which students explore innovations in science and technology and changing consumer demands. It leads students to develop their interests and skills through the design, production and management of food-related tasks. They develop knowledge of the sensory, physical, chemical and functional properties of food and apply these in practical situations. **Students undertaking this course must have a good level of experience in cooking within the home environment and well-developed knife skills.**

Marine & Maritime Studies General is a practical subject which allows students to develop and improve skills in boating, sailing, snorkelling and diving while acquiring an understanding of marine environments and oceanography. Students also learn and apply the principles of watercraft design, construction and maintenance.

Marine & Maritime Studies ATAR is a subject in the Science learning area. Information about this course can be found under **Science** (pg. 19)

Materials Design & Technology ATAR (Wood) is a practical subject in which students learn to manipulate materials, tools and machinery to produce quality products in resistant materials. A major emphasis is on students producing a comprehensive design folio and practical projects of their own choosing. This is studied in the context of wood.

Materials Design & Technology General teaches similar concepts in less detail, placing a greater emphasis on the practical elements of the course and a lesser emphasis on design. This course may be studied in either or both the wood and/or metal contexts.

Contact

Mr Alec Barbour

Head of Design and Technology

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Drama

Students may choose to study Drama as a subject in Year 11 and 12 even if they did not study Drama in Year 10. Previous study would, however, be an advantage.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
Drama or English	≥ 60%*	Drama ATAR
Drama or English	< 60%*	Drama ATAR not recommended

* Students who have achieved below 60% may experience difficulty in further study of the subject at an ATAR level.

Drama ATAR engages students in practice and theory as students study, design and produce theatre. The subject includes improvisation and play building to create original drama and interpretation of a range of scripted texts. Students engage in the production process including acting, directing, set, costume, sound and lighting.

Contact

Mr Gregory Jones
Head of Drama

English

Every student must study one English subject. Given its importance in terms of communication and literacy skills, it is the only compulsory subject nationally.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
English Mainstream	≥ 60%*	Literature ATAR or English ATAR
	< 55%**	English General (see the 'Non-ATAR pathway' at the end of this booklet)
English Support	≥ 85%***	English ATAR
	< 85%	English General (see the 'Non-ATAR pathway' at the end of this booklet)
English Extension	Any	Literature ATAR or English ATAR

* Students who have achieved a mark between 55 – 60%* In English Mainstream would be considered borderline for both English ATAR and Literature ATAR, and may experience difficulty in further study of the subject.

** Students who achieve below 55%* in English Mainstream and choose the subject may experience significant difficulty at an ATAR level.

*** Support students achieving this result or above and who are committed to studying the English ATAR pathway will be required to sit the English Mainstream examination for feedback and experience purposes. It would also be expected that the student had achieved a pass result in both common assessment tasks (CAT), which are sat in Support at the end of Terms 1 and 3, and regularly attend the Wednesday afternoon English Study sessions. Note, students with this result and who complete the above steps may still experience significant difficulty at an ATAR level.

Literature ATAR - students learn to interpret both classical and contemporary literary texts and to create their own texts, including essays, poems, short stories, plays and multimodal texts. Students engage with literary theory and study literary texts and context in significant detail. Students develop significant analytical, research and comprehension skills, along with some compositional work.

English ATAR focuses on developing students' analytical, creative and critical thinking and communications skills in all language modes, encouraging students to critically engage with texts from their contemporary world, the past and from Australian and other cultures. The texts are drawn from a variety of genres, including novels, short stories, short film and TV Drama. Students develop skills primarily in comprehending, responding and composing, which are the three modes of assessment.

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Additional Notes Regarding ATAR Subjects in English

Undertaking Both English ATAR and Literature ATAR - Students may undertake both Literature ATAR and English ATAR simultaneously, with both subjects being counted towards a final ATAR score. Please contact the Head of Department (sdavis@ccgs.wa.edu.au) for further information on this unique pathway. Please note, given timetabling, students will be required to sit both CCGS examinations on the same day, though this is not the case for the final Year 12 ATAR examination.

Undertaking English ATAR as part of a Certificate Pathway - Boys who elect to undertake English ATAR as part of a Certificate Pathway, with English ATAR as their only ATAR subject, have historically experienced the most significant difficulty in meeting the demands of the English ATAR course, with a very marginal success rate in examination and course. Given this, this is not a pathway that is actively recommended by the English Department.

Students who undertake this pathway will miss a significant portion of class-time (at least 1/8 of all classes) due to work experience placements. Given this, students on this pathway are responsible for the following:

- Communicating actively with their teacher.
- Catching up on missed content and skill development.
- Being proactive in regards to assessments, homework tasks and practice work.
- Committing a significant amount of time outside of class to the study of English ATAR (beyond the usual expectation of 3 hours study per week).
- Attending the after-school English study session (Wednesday afternoons, M4, 3:15 – 4:45pm).
- Meeting with the Head of Department once a term to ensure expectations are met.

English General focuses on consolidating and refining the skills and knowledge needed by students to become confident users of English in everyday, community, further education and workplace contexts. The course is designed to provide students with the skills to succeed in a wide variety of post-secondary pathways by developing their language, literacy and literary skills.

Contact

Mr Spencer Davis

Head of English

Humanities

Students may study any number of Humanities subjects. Where students have not yet studied a subject in Year 10, they should look to their result in any other Year 10 Humanities course (Economics and Business, Geography, History, Civics and Citizenship). These selections can be reviewed as units are completed and changes made at a later date if necessary. More information about individual Humanities subjects is available at <https://www.ccgswa.edu.au/wp-content/uploads/2018/05/HUMANITIES-YEAR-11-ATAR-SUBJECTS-002.pdf>

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
Economics and Business, Geography or History Mainstream	≥ 55%*	Any of the ATAR Humanities courses. Accounting and Finance, Ancient History, Business Management and Enterprise, Economics, Geography, Modern History, Philosophy and Ethics, Political and Legal Studies
Economics and Business, Geography or History Extension	≥ 40%	Any of the ATAR Humanities courses. Accounting and Finance, Ancient History, Business Management and Enterprise, Economics, Geography, Modern History, Philosophy and Ethics, Political and Legal Studies
Economics and Business, Geography or History Support*	≥ 85%	Students who have been in support classes may experience difficulty in further study of the subject at an ATAR level. Please contact Mr Andy Greig at agreig@ccgswa.edu for guidance.
* Students who have achieved between 50% and 55% grade in mainstream classes may experience difficulty in further study of the subject at an ATAR level. Please contact Mr Andy Greig at agreig@ccgswa.edu for guidance.		

Accounting and Finance ATAR teaches students the language of business. Through the preparation, examination and analysis of a variety of financial documents students learn to make informed business decisions. Students also engage in ethical, social and environmental issues and research real-world business scenarios.

Ancient History ATAR engages students in historical inquiry, discovering the stories of the ancient past and revealing enlightening interpretations of past actions. The focus is on the societies of Ancient Rome and Ancient Greece including close study of Julius Caesar, the Persian Wars and the Peloponnesian Wars. Students learn the skills of analysis and creating convincing argument.

Business Management & Enterprise ATAR focuses on business planning, marketing, growth and opportunities provided for business by technology and the global environment. Through the consideration of real businesses, students examine factors that drive international business developments, the features and traits of successful management and how firms operate strategically to maximise business performance in a global setting.

Business Management & Enterprise General focuses on identifying possibilities and creating opportunities within business environments. Students will learn of the importance of business to individuals and society, how to make sound and ethical business decisions and demonstrate integrity in business activities.

Economics ATAR investigates the choices which all people, groups and societies face as they confront the ongoing problem of satisfying their unlimited wants with limited resources. Students learn about the importance of effective allocation, utilisation and distribution of scarce resources that maximise the wellbeing of society. Economics develops the knowledge, reasoning and interpretation skills that form an important component of understanding individual, business and government behaviour at the local, national and global levels.

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Geography ATAR combines class and fieldwork to teach students to investigate and understand the natural and man-made worlds we live in. Field trips include visits to Rottnest Island, the Swan River and numerous suburbs of Perth. Unit 1 investigates Natural and Ecological Hazards and Unit 2 focuses on Global Networks and Interconnections. Unit 3 investigates environmental change and management with a focus on climate change. Unit 4 focuses on urban planning both locally and globally.

Geography General investigates the Geography of Environments at Risk, investigating regions where people pose threats to the environment as they attempt to meet their needs. The Geography of People and Places unit teaches students about the characteristics of regions and how processes cause them to change. The Geography General course places an emphasis on geographical inquiry, fieldwork and practical skills.

Modern History ATAR engages students with the past with a view to better understanding the present. Students develop their critical thinking, analysis and writing skills. In Year 11 the units focus on U.S society from 1907-1941 and the rise and fall of Nazi Germany. In Year 12 students examine the Russian Revolution and Europe from 1945-2001.

Philosophy and Ethics ATAR teaches students how to think rather than what to think. Students are encouraged to analyse, critique and advance arguments in a clear and reasoned manner. These skills are applied to various branches of philosophy including logic, knowledge, science, religion, meaning, human nature, ethics, politics and many others.

Politics and Law ATAR examines the philosophies, principles and values on which societies are governed by developing critical thinking and skills of analysis and evaluation. It aims to develop knowledge of the principles, structures, institutions and processes of political and legal systems, primarily in Australia, but also with reference to the United States of America and North Korea. In Year 11 the focus is primarily on the Australian political and legal system and the WA legal system.

Contact

Mr Andy Greig

Head of Humanities

Languages

Students who choose to study Language subjects are assumed to be continuing from Year 10; students cannot study a language in Year 11 unless they have studied it previously.

There are strict eligibility requirements to study a language in the WACE. The School Curriculum and Standards Authority manages these criteria. Students in Year 10 classes will be taken through the online eligibility process to qualify for enrolment in a language course. Students with a linguistic advantage in the language they apply for will not be permitted to enrol in that course. These courses are intended for students where the language studied is entirely a second language and for whom there is no prior linguistic advantage.

For further information on eligibility requirements, please contact our Head of Languages, Mr Vinko Shain, on 9442 1636 or vshain@ccgs.wa.edu.au.

ATAR Second Language courses are aimed at students for whom the language for which they are applying is a second (or subsequent) language. These students:

- have typically learnt everything they know about the language and its culture through classroom teaching in an Australian school or similar environment, where English is the language of school instruction
- have typically studied the language for 200–400 hours at the commencement of Year 11
- may have experienced some short stays or exchanges (less than two years in total) in a country where the language is a medium of communication
- do not use the language for communication outside the language classroom
- are not exposed to the language outside the language classroom. That is, students are not spoken to in the language by members of their immediate or extended family, or community members and friends.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
Chinese	≥ 60%*	Chinese: Second Language ATAR
French	≥ 60%*	French: Second Language ATAR
Japanese	≥ 60%*	Japanese: Second Language ATAR

* Students who have achieved below the above percentage mark may experience difficulty in further study of the subject at an ATAR level.

Chinese, French and Japanese: Second Language ATAR allow students to develop their ability to communicate effectively in the chosen language, while developing a deeper appreciation of the foreign culture. Please see the note above about eligibility requirements of languages.

Chinese: First Language ATAR is designed for students with a cultural and linguistic background in Chinese. The course focuses on the interrelationship of language and culture and further enhances the skills students possess to function in an increasingly globalised society and a culturally and linguistically diverse local community. This course is taught after school hours as a seventh subject (students will still study six timetabled subjects in Year 11). There is an additional charge for this course which is paid separately.

EAL/D ATAR (English as an Additional Language or Dialect) is designed as an alternative for students who speak another language or dialect as their first or 'home' language. Students need to apply to the School Curriculum and Standards Authority for eligibility to study this subject in Year 12.

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Chinese: Background Language ATAR course builds on and further develops a student's language capability through engagement through engagement with the Chinese-speaking communities, locally and overseas, and through the study of contemporary texts, topics and issues. This course is taught after school hours as a seventh subject (students will still study six timetabled subjects in Year 11). There is an additional charge for this course which is paid separately.

Contact

Mr Vinko Shain

Head of Languages

Mathematics

Students may study one or two Mathematics subjects. The option to study two subjects is only available to students who study both Mathematics Methods and Mathematics Specialist.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
Mathematics Extension	$\geq 60\%$	Mathematics Methods ATAR and Mathematics Specialist ATAR
Mathematics Advanced	$\geq 80\%$	Mathematics Methods ATAR and Mathematics Specialist ATAR
	$70\% \leq \text{mark} < 80\%$	Mathematics Methods ATAR
	$50\% \leq \text{mark} < 70\%$	Mathematics Methods ATAR only after discussion with and agreement of HOD
Mathematics Mainstream	$\geq 80\%$	Mathematics Applications ATAR
	$70\% \leq \text{mark} < 80\%$	Mathematics Applications ATAR
	$< 70\%$	Mathematics Essential General (see the 'Non-ATAR pathway' at the end of this booklet)
		Mathematics Essential General (see the 'Non-ATAR pathway' at the end of this booklet)
Mathematics Support	Any	

Mathematics Specialist ATAR is a course designed to develop rigorous mathematical arguments and proofs, vectors and trigonometry and to use mathematical models extensively. It is suitable for students with a strong interest in mathematics, including those intending to study Mathematics, Statistics, Physical Sciences and Engineering courses at university. It must be studied in conjunction with Mathematics Methods. It has been listed by the TISC website as recommended or a prerequisite for Science-based or Engineering degrees.

Mathematics Methods ATAR is a course that focuses on the use of algebra, calculus, basic combinatorics and statistical analysis. It provides a foundation for further studies in disciplines in which mathematics and statistics have important roles. Excellent number and algebra skills are essential for students to be successful. It is useful for students considering Science-based or Engineering degrees after school and has been listed by TISC as recommended or a prerequisite to some Science-based and Commerce degrees.

Mathematics Applications ATAR is a course that focuses on the use of mathematics to solve problems in contexts that involve networks, financial modelling and statistical analysis. It is designed for students whose future studies or employment require general mathematics skills but not calculus. It is a course that will provide good preparation for many university courses not specifically mathematically related.

Mathematics Essential General is a course that focuses on using mathematics effectively, efficiently and critically to make informed decisions. It provides students with the mathematical knowledge, skills and understanding to solve problems in real contexts for a range of workplace, personal and community settings. This course provides the opportunity for students to prepare for post-school options of employment and further training.

Contact

Ms Megan West
Head of Mathematics

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Music

Students who choose to study Music are assumed to be continuing from Year 10; students generally should not elect to study music in Year 11 unless they have studied it previously.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
Music	≥ 65%*	Music ATAR
Music	< 65%	Music not recommended
AMEB grades: 5+ in performance, and 4+ in theory		Music ATAR
* Students who have achieved a low C grade may experience difficulty in further study of the subject at an ATAR level. Please refer to specific teacher recommendations for guidance.		

Music ATAR provides students with opportunities to develop and extend their musical understandings, abilities and potential in a range of contexts.

Contact
Mr Kevin Gillam
Head of Music

Physical Education Studies

Students may choose to study one or more Physical Education based subjects in Year 11 and 12 even if they did not study Sports Science in Year 10. Previous study would, however, be an advantage.

Year 10 Subject	Year 10 Mark	Recommendations for subject(s) (for study in Year 11 and Year 12)
Sports Science	≥ 55%*	PE Studies ATAR and/or
English and Physical Education	≥ 55%*	Certificate III in Fitness (see the 'Non-ATAR pathway' at the end of this booklet)
Sports Science, English or Physical Education	< 55%	PE Studies General and Certificate III in Fitness (see the 'Non-ATAR pathway' at the end of this booklet)
*Students who have achieved below 55% in Sports Science or Physical Education classes may experience difficulty in further study of the subject at an ATAR level. Student's practical and theoretical ability must be taken into consideration. Please contact Mr Luke Farmer at lfarmer@ccgs.wa.edu.au for guidance.		

Physical Education Studies ATAR focuses on the complex interrelationships between motor learning, psychological, biomechanical and physiological factors that influence individual and team performance. It is the study of Sport Science where students analyse the performance of themselves and others, apply theoretical principles and plan training programs. 30% of the course grade is based on practical performance.

Physical Education Studies General teaches similar concepts in less detail, placing a greater emphasis on the practical elements of the course. 50% of the course grade is based on practical performance.

Certificate III in Fitness consists of theory and practical components with practical application in the CCGS gym setting. It is not an ATAR subject or a General subject and there may be a cost associated with selecting this course. Details of this option can be found in the 'Non-ATAR pathway' section at the end of this booklet.

Contact

Mr Luke Farmer

Head of Physical Education

Science

Students may study any number of Science subjects. Where students have not yet studied the selected subject in Year 10, we recommend that the results they attained in the subject in Year 9, considered in combination with their other Year 10 Science results, can be used as a guide for their selections. These selections can be reviewed as trimesters are completed.

Year 10 Subject	Year 10 Grade	Recommendations for subject(s) (for study in Year 11 and Year 12)
Biology mainstream and extension	≥ 55%*	Biology ATAR and/or Human Biology ATAR and/or Psychology ATAR and/or Marine & Maritime Studies ATAR
Chemistry mainstream	≥ 70%*	Chemistry ATAR
Chemistry extension	≥ 55%*	Chemistry ATAR
Physics	≥ 60%*	Physics ATAR
Physics extension	≥ 55%*	Physics ATAR

* Students who have achieved a mark below what is required for their chosen subject may experience difficulty in further study of the subject at an ATAR level. Please contact the Head of Science or relevant department head for further guidance.

Biology ATAR highlights, investigates and answers questions about the living world, looking at the changing nature and the complexity of the organism and its surrounding environment. Biology gives us perspectives on ethical, environmental and sustainability issues, contributing to our understanding of the structure and function of organisms, genes and DNA, the theory of species survival and development through evolution, ecosystems, biodiversity and the biotechnological processes that are changing our world.

Chemistry ATAR equips students with the knowledge, understanding and opportunity to investigate structural properties and uses of materials and chemical reactions; and the application of chemistry principles to biological, environmental and industrial contexts. It is recommended that students studying this subject also study Mathematics: Methods or Mathematics: Applications.

Chemistry ATAR Year 12 (accelerated) 2023 is aimed at students who have demonstrated an exceptional level of achievement and work practices across their core subjects, including in Year 10 Chemistry Extension. Students choosing this option will study another accelerated Year 12 subject option in Year 11, for example Computer Science Year 12 (accelerated) and then select Chemistry in Year 12. Students selecting this option in 2023 will need to have worked through the key concepts in the Chemistry Year 11 course independently. Students may select this option only after consultation with the Head of Chemistry and the Deputy Principal/Director of Studies.

Human Biology ATAR explores what it is to be human – how different body systems such as the nervous and endocrine systems work together to maintain homeostasis; the impact of biotechnological advances on medical interventions; the effect of the environment on your genome (epigenetics); and the evolution of the human species over time.

Marine and Maritime Studies ATAR focuses on oceanography concepts and scientific inquiry skills to develop a strong understanding of the interdependence between components of the marine environment. Students conduct research into the safe and sustainable management of the oceans' resources and are also introduced to the world of maritime archaeology. It is expected that students have an affinity with water-based activities and are able to swim 200 metres in flat water.

Physics ATAR involves exploration of the phenomena that explain the world around us. It attempts to find patterns that relate these phenomena from the formation of the universe down to the nature of subatomic particles and everything in between. It is recommended that students studying this subject also study Mathematics: Methods or Mathematics: Applications.

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Psychology ATAR is the scientific study of how we think, feel and act. Students utilise major psychology models and theories to answer questions about what motivates people, what influences their development and how this influences the development of society and self. Through scientific knowledge and method, these various models and theories are applied in everyday settings that will help students understand themselves and their world.

Contact
Mr Edward Hogg
Head of Science

Non-ATAR pathway – subjects

This section describes the subject options available to students who are not seeking to receive an ATAR at the end of Year 12.

Students who undertake this pathway are required to undertake a course in English, Mathematics, Career & Enterprise General and a work placement. Study of a certificate course is also recommended. In most cases boys will study English General and Mathematics Essential General. In some instances students may replace English General with English ATAR or Mathematics Essential General with Mathematics Applications.

Please use this section as a rough guide to which options are suitable for you. It is partially prescriptive and is designed to lead students to the greatest chance of success after Year 12. The listed pathways represent typical continuation of study into Year 12. These pathways are the most likely to lead to success.

The short descriptions of courses which follows is designed to give you an overview of each course. Further detail is available in the syllabus documents for each subject, which can be found at <http://senior-secondary.scsa.wa.edu.au>.

Certificate Courses and Workplace Learning

Students studying a Non-ATAR pathway will be required to undertake Workplace Learning in Year 11. The selection of a work placement will be made in discussion with Ms Jody Clarke.

Workplace Learning (WPL) equips students with knowledge and experience to head confidently into employment, further training, apprenticeships and employment, providing them with a keen understanding of what is valued in a work environment. Students gain insight into different industry areas and develop employability skills. From week 5 in Term 1, students will start WPL, going out to a work placement 1 day a week. During the examination period, students have the opportunity to undertake a block placement. CCGS belongs to the INSTEP West Cluster and it is with the help of this team the work placements are found for our students. WPL is a SCSA endorsed unit which means then completion of a minimum of 110 hours and a log book for each placement contributes to the students' WACE.

Certificate courses allow students to gain a qualification while they are still at school. They develop skills and expertise in particular industry areas in preparation for further study at University, TAFE or an apprenticeship programme after Year 12. It is recommended that all students not on an ATAR pathway complete either a Certificate III in Year 11. There may be opportunities in Year 12 for students to continue with their study of these certificate courses. Students studying five ATAR subjects are also able to select the Certificate III in Fitness course to study, however, there may be a cost associated with this.

Certificate III in Fitness

The Certificate III in Fitness, run at CCGS by Diamond Fitness, is offered as a timetabled course for Year 11 students. This means that students will not miss classes in other subjects while completing the course. Completion of the Certificate III will qualify students to study the Certificate IV in Year 12.

The Certificate III consists of theory and practical components with practical application in the CCGS gym setting.

Students studying Non-ATAR pathway subjects will be able to nominate this Certificate III course as one of their subjects. Selection of Physical Education Studies General in addition to this Certificate III course is strongly recommended but not compulsory.

Students studying five ATAR subjects are also able to select the Certificate III course, either in conjunction with Physical Education Studies ATAR or without.

Study of the Certificate III in Fitness will require a student to acquire a First Aid Certificate. The first aid course to achieve this certification will be run internally at a cost to parents of approximately \$90.

There may be a charge associated with undertaking this course.

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

School subjects

In Year 11, students study 6 subjects on the non-ATAR Pathway.

Students study English General, Mathematics Essential General, Career & Enterprise General and three other General courses, or two General and one Certificate course from this list.

- English General (required)
- Mathematics Essential General (required)
- Career & Enterprise General (required)
- Business Management & Enterprise General
- Computer Science General
- Design General
- Geography General
- Marine & Maritime Studies General
- Materials Design & Technology General (in either or both Wood or Metal contexts)
- Physical Education Studies General
- Visual Arts General
- *Certificate III in Fitness*

In Year 12, students continue to study 6 subjects, selecting an additional subject to replace Career & Enterprise which is not offered at the Year 12 level.

Business Management & Enterprise General focuses on identifying possibilities and creating opportunities within business environments. Students will have the opportunity to understand the importance of business to individuals and society, learn how to make sound and ethical business decisions and demonstrate integrity in business activities. Students will engage with real businesses to see these activities applied in real world situations.

Career & Enterprise General reflects the importance of career development knowledge, understanding and skills in securing, creating and sustaining work. Students explore the attributes and skills necessary for employment, and identify their personal strengths and interests, and the impact these have on career development opportunities and decisions.

Computer Science General focuses on the fundamental principles, concepts and skills required in the development of computer systems and software, and the connectivity between devices. The course also places an emphasis on the practical skills involved in setting up a home network.

Design General (Photography & Graphics) allows students to foster skills and processes for current and future industry and employment markets. Students will develop the knowledge and skills to understand design principles and processes, analyse problems and devise innovative strategies through projects in the context of photography & graphics.

English General focuses on everyday communication. Students use written, oral, multimodal and digital forms to comprehend and create a range of different text types.

Geography General investigates regions where people pose threats to the environment as they attempt to meet their needs and teaches students about the characteristics of regions and how processes cause them to change. The course places emphasis on geographical inquiry, fieldwork and practical skills.

For detailed information on Year 11 Courses visit the SCSA website at <http://senior-secondary.scsa.wa.edu.au>

Marine & Maritime Studies General allows students to develop and improve skills in boating, sailing, snorkelling and diving whilst acquiring an understanding of marine environments and oceanography. Students also learn and apply the principles of watercraft design, construction and maintenance.

Materials Design & Technology General is a practical subject in which students learn to manipulate materials, tools and machinery to produce quality products in resistant materials. A major emphasis is on students designing and producing practical products of their own choosing. This subject is studied within the context of either wood or metal.

Mathematics Essential General teaches students general skills in Mathematics that will help in their everyday life. It enables students to continue to develop numeracy skills which are required for TAFE Engineering and Commerce course, Apprenticeships and employment.

Physical Education Studies General teaches students about anatomical, physiological, psychological, and biomechanical principles and how to apply these to analyse and improve personal and group performances in physical activities. 50% of the course grade is based on practical performance.

Visual Arts General engages students in practice and theory while exploring traditional, modern and contemporary media and techniques within a broad range of art forms.

Certificate III in Fitness is described on page 17.