



SEATON
HIGH SCHOOL

**SUBJECT
DESCRIPTORS
2027**

Year 12

Subject Descriptors for 2027, Year 12

This booklet contains brief descriptions of the subjects that are available at year 12 in 2024.

Please be aware that a subject will only run if enough students choose that subject.

You should read this document in conjunction with:

1. Tips and Tricks for Subject Selection
2. SACE information document
3. Year 12 program summary
4. Curriculum Area pathways flowcharts

APPLIED ENVIRONMENTAL SCIENCE

Subject Outline

If you have a passion for the environment, producing fresh fruit and vegetables and making the world a better place, then Applied Environmental Science is for you. Students in this program are involved in running the school's garden, learning about the environment and looking at ways we can better manage our food waste. Students examine the local impact of climate change and the solutions through green industries, community gardening and waste management.

APPLIED TECHNOLOGY

Subject Outline

Applied Technology is not just about robots or intimidating electronics — although if that sounds like you, this could be a great fit. This subject is about exploring current technologies and using them to create something you genuinely want to make. That might be adaptive lighting for a bedroom, a personalised Bluetooth speaker, a device that helps someone at home, or a physical, electronic or digital product built around a real need.

Students draw on skills across CAD, coding, electronics, 3D design and systems thinking, while developing new skills along the way. The goal is to take an idea, shape it into a practical solution, and work through the process of turning it into a functioning outcome. The product does not need to be new to the world; it simply needs to be new to the student.

Throughout the course, students use computational thinking and sound design processes to plan, develop, test and refine their ideas. They will also investigate materials, including 3D printed materials, and consider how technologies and material choices can affect people, communities and the environment. Students will complete a short research investigation connected to an area of interest, such as 3D printing, material choice, sustainability or digital systems.

Students undertake:

-  Two project skills tasks
-  One major project
-  One research investigation

Some previous experience in Applied Technology, Digital Technology, CAD, coding or electronics would be useful, but students with a strong interest in designing and making are also encouraged to consider this course.

BIOLOGY

Students undertaking this course should have had success in Science subjects at Stage 1. Completion of Biology A or B is recommended.

Subject Outline

The topics in Stage 2 Biology provide the framework for developing integrated programs of learning through which students extend their skills, knowledge and understanding of the three strands of science.

-  Science understanding
-  Science inquiry skills
-  Science as a human endeavour

Topics covered:

-  DNA and proteins
-  Cells as the Basis for Life
-  Homeostasis
-  Evolution

It is recommended students purchase SASTA Stage 2 Biology Study Guides to support their exam preparation (approx \$35).

CHANGEMAKERS: VOICE IN MODERN MEDIA

Subject Outline

In this program, students have the opportunity to work with a range of social change agents and community leaders. Students in this program will develop entrepreneurial capabilities through purposeful and authentic experiences. Students' passions and skills will be cultivated across a range of mediums to develop their ideas and express their voice. Students will develop the capacity to identify problems and opportunities and initiate and implement meaningful change. They will do so by sharing perspectives within their community and beyond.

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CHEMISTRY

Students undertaking this course must have successfully completed Stage 1 Chemistry A and B.

Subject Outline

The topics in Stage 2 Chemistry provide the framework for developing integrated programs of learning through which students extend their skills, knowledge, and understanding of the three strands of science. The three strands of science to be integrated throughout student learning are:

- Science understanding
- Science inquiry skills
- Science as a human endeavour

Topics covered:

- Monitoring the environment
- Managing chemical processes
- Organic and biological chemistry
- Managing resources

It is recommended students purchase SASTA Stage 2 Chemistry Study Guides to support their exam preparation (approx \$35).

DANCE

Students undertaking this course must have completed a minimum of one semester of study at Stage 1 or have previous external dance experience. Previous dance training, and knowledge of dance vocabulary and specific technique are assumed.

Subject Outline

Students:

- Develop knowledge and understanding of the body, dance skills and elements, structural devices, production elements and safe dance practices in choreography and performance
- Apply technical and expressive dance skills in performance
- Communicate choreographic intent to an audience through composition and performance
- Evaluate their own creative works as an artist and that of others as an audience member
- Research and analyse dance in global contexts.

For health & safety, students must purchase black jazz shoes and/or half soles/foot undies for rehearsals and performance.

Lunchtime, after hours and holiday rehearsals will be scheduled to prepare for assessed performances in an out of hours Dance Showcase. Full participation is required.

Students are encouraged to take dance lessons outside of school hours.

There is an approximate cost of \$30 to cover excursions and performance costs.

DIAMOND SPORTS ACADEMY

Subject Outline

In this program students work collaboratively with professional diamond sports' coaches and organisations who provide a window into the world of professional sport. With access to industry mentors, first class facilities and data analysis platforms, students will enhance their understanding of performance at an elite level. This program prepares students for a wide range of pathways such as college and professional sport, sports science and sports administration. Students have after-hours access to the diamond sports indoor training facility.

DRAMA

Students undertaking this course must have successfully completed at least one semester of Drama at Stage 1 and have actively participated in at least one performance, either in an onstage or offstage capacity.

Out of hours and/or holiday rehearsals are a non-negotiable expectation.

Subject Outline

In this course, students further develop their understanding of theatre and film styles. They work as part of an ensemble to create dramatic products and maintain a folio. This course will improve performance and design skills through involvement in a class production for audience of peers, family and community members, as well as individual research and presentations.

Students will need to work independently to prepare for performance outside of class time.

There is an approximate cost of \$50 to cover excursions and performance costs.

ESSENTIAL ENGLISH

Subject Outline

Essential English utilises a practical approach to the study of English, with students engaging with a range of texts suited to personal, social, cultural, community, and/or workplace contexts. Students understand and interpret information, ideas, and perspectives in texts and consider ways in which language choices are used to create meaning. Students should have received more than the minimum C in Stage 1 Essential English to ensure success in this course.

GENERAL ENGLISH

Students undertaking this course must have successfully completed Stage 1 English General or English Literary Studies.

Subject Outline

General English focuses on the development of English skills with an emphasis on communication. Students analyse the interrelationship of author, text, and audience, with an emphasis on how language and stylistic features shape ideas and perspectives in a range of contexts. Students explore how the purpose of a text is achieved by the use of particular language features and styles and how these can be used to position a reader. Students have opportunities to consider personal values and respond to aspects of a wide variety of texts. Students who choose this subject should be prepared to read extended texts independently.

Students will view live theatre as part of their studies at a cost of approx. \$20-\$30.

ENGLISH LITERARY STUDIES

It is highly recommended that students have been successful in Stage 1 English Literary Studies.

Subject Outline

English Literary Studies focuses on the skills and strategies of critical thinking needed to interpret texts. It also focuses on ways in which literary texts represent culture and identity, and on the dynamic relationship between authors, texts, audiences, and contexts. Students produce responses that show the depth and clarity of their understanding. This involves developing convincing and logical arguments, using evidence to support their position, exchanging and developing ideas and producing creative texts. Students who choose this subject should be prepared to read extended texts independently.

Students will view live theatre as part of their studies at a cost of approx. \$20-\$30.

FOOD & HOSPITALITY

It is recommended that students have successfully completed the Food Futures Package and/or Food & Hospitality.

Subject Outline

This course focuses on the dynamic nature of the food and hospitality industry in Australian society. It integrates active, problem solving approaches where students are required to think critically to solve problems related to food and hospitality in individual, family and community contexts. Students work both independently and collaboratively to establish an understanding of contemporary issues related to food and hospitality. They will develop skills and safe work practises in the preparation, storage and handling of food, complying with current health and safety legislation for a variety of hospitality situations.

By working with a range of people within the school and wider community, students also develop their interpersonal skills. They establish and develop cooperative working relationships and learn the value of working independently, while also being able to respond to instructions or directions. Students may be required to participate in activities outside school hours, both within the school and in the wider community.

HEALTH

Subject Outline

This course offers students the opportunity to develop empathetic and ethical understanding of health and wellbeing issues. Students will apply knowledge and understanding of health and wellbeing concepts to contemporary issues and make informed decisions. They will analyse and evaluate health and wellbeing trends and issues in diverse contexts. Throughout the course they will plan, create, and undertake action to improve health and wellbeing outcomes and evaluate personal and social action through the reflective practice.

Topics include:

-  Health Literacy
-  Health Promotion
-  Health Determinants
-  Social Equity

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JAPANESE

This subject may run off line, i.e. not during normal school hours. This could include before, or after school or at another school site through the School of Languages.

Subject Outline

This course is for students who have successfully met the work demands for Stage 1 Japanese.

Japanese is organised around three themes:

- 👉 The individual
- 👉 The Japanese - speaking communities
- 👉 The changing world

This course is designed to develop students:

- 👉 ability to use Japanese to communicate with others
- 👉 understanding and appreciation of the cultural contexts in which Japanese is used
- 👉 ability to reflect on their own culture(s) through the study of other cultures
- 👉 understanding of language as a system
- 👉 ability to make connections between Japanese and English and/or other languages.

MATERIAL SOLUTIONS

Subject Outline

This course has been developed for students who are seriously considering a career path in the wood or metal trades' area. The aim of the course is to enable students to acquire competencies that will allow them as school leavers to be aware of the standards required by employers in the trades.

Students are given the opportunity to:

- 👉 Participate in the planning of units of work in the area of technology studies in timber and metal
- 👉 Use the technology studies workshops, the local community and the wider community as primary resources for their learning
- 👉 Develop skills in the practical area of technology studies
- 👉 Plan for themselves and take the responsibility organising their time to achieve their goals
- 👉 Work with other people and as a part of a team to achieve their goals
- 👉 Document their planning, progress and learning in a folder for assessment

This course will have some associated materials costs.

ESSENTIAL MATHEMATICS

Students undertaking this course must have successfully passed two semesters of Stage 1 Essential Mathematics (with teacher recommendation to continue to Stage 2), or Stage 1 Mathematical Methods or General Mathematics.

Subject Outline

Essential Mathematics offers students the opportunity to extend their mathematical skills in ways that apply to practical problem solving in everyday and workplace contexts. Students apply their mathematics to diverse settings, including everyday calculations, financial management, business applications, measurement and geometry, and statistics in social contexts. There is an emphasis on developing students' computational skills and expanding their ability to apply their mathematical skills in flexible and resourceful ways. This subject is intended for students planning to pursue a career in a range of trades or vocations.

Topics:

- 👉 Topic 1: Scales, plans, and models
- 👉 Topic 2: Measurement
- 👉 Topic 3: Business applications
- 👉 Topic 4: Statistics
- 👉 Topic 5: Investments and loans

It is recommended students purchase MASA Study and Revision guides to support their exam preparation (approx \$35).

GENERAL MATHEMATICS

It is recommended that students achieve a "B" grade or better in two semesters of Stage 1 Mathematics General or Mathematical Methods to select this subject.

Subject Outline

This course is designed for students who want to learn mathematics within a framework which places an emphasis on practical applications. Students will study all five topics below:

- 👉 Topic 1: Modelling with linear relationships
- 👉 Topic 2: Modelling with matrices
- 👉 Topic 3: Statistical models
- 👉 Topic 4: Financial models
- 👉 Topic 5: Discrete models

It is recommended students purchase MASA Study and Revision guides to support their exam preparation (approx \$35).

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MATHEMATICAL METHODS

Full Year

It is recommended that students achieve a “B” grade or better in two semesters of Stage 1 Mathematical Methods to select this subject.

Subject Outline

Stage 2 Mathematical Methods focuses on the development of mathematical skills and techniques that enable students to explore, describe, and explain aspects of the world around them in a mathematical way. Students will undertake studies in the areas of:

- Differential calculus with applications
- Integral calculus with applications
- Discrete and Continuous random variables
- Sampling and Confidence intervals

It is recommended students purchase MASA Study and Revision guides to support their exam preparation (approx \$35).

PSYCHOLOGY

Subject Outline

Students undertaking this course should have successfully completed at least 1 semester of Stage 1 Biology, Physics or Chemistry.

Psychology is based on the principles of scientific inquiry. Students engage with research using scientific approaches. Students analyse and critique data, to make inferences and communicate findings.

Students who study Psychology, are supported to become critical consumers of information; identify psychological processes at work in everyday experiences; apply knowledge to real-world situations; investigate psychological issues; and become effective communicators.

Psychology aims to describe and explain both the universality of human experience and individual and cultural diversity. Psychology also explores the ways in which behaviour can be changed. It offers a means for making society more cohesive and equitable; that is, Psychology offers ways of intervening to advance the wellbeing of individuals, groups, and societies. However, every change also holds the possibility of harm. The ethics of research and intervention are therefore an integral part of psychology.

The topics covered in Stage 2 Psychology are:

- Topic 1: Psychology of the Individual
- Topic 2: Psychological Health and Wellbeing
- Topic 3: Organisational Psychology
- Topic 4: Social Influence
- Topic 5: The Psychology of Learning

It is recommended students purchase SASTA Stage 2 Psychology Study guides to support their exam preparation (approx \$35).

SPECIALIST MATHEMATICS

This unit may run on site, or may run offline, ie. not during normal school hours. This could include before or after school at another school site such as Thebarton Senior College.

It is strongly recommended that students achieve a “B” grade or higher in Stage 1 Specialist Mathematics and Stage 1 Mathematical Methods to select this subject. This subject must be taken in conjunction with Stage 2 Mathematical Methods.

Subject Outline

Stage 2 Specialist Mathematics is a course designed to extend students’ mathematical experience and their mathematical flexibility and versatility, in particular, in the areas of complex numbers and vectors.

The general theory of functions, differential equations, and dynamic systems provides opportunities to analyse the consequences of more complex laws of interaction.

Specialist Mathematics topics provide different scenarios for incorporating mathematical arguments, proofs, and problem-solving in relation to:

- Mathematical induction
- Complex numbers
- Functions and sketching graphs
- Vectors in three dimensions
- Integration techniques and applications
- Rates of change and differential equations

It is recommended students purchase MASA Study and Revision guides to support their exam preparation (approx \$35).

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MODERN HISTORY

Subject Outline

- Modern Nations – Germany (1918-1945). In this topic students undertake a study of the aftermath of Germany's defeat in WW1, the Weimar Republic, the rise of Hitler and the Nazi Party, and the Nazi state in peace and war
- The World Since 1945 – The Changing World Order (1945-). In this topic students undertake a study of the Cold War, which involves them examining the origins of superpower rivalry, the nature of the Cold War, the end of the Cold War and the consequences of the Cold War
- An individual history essay. Students choose their own area of inquiry from 1750 onwards

MUSIC - CREATIVE ARTS

Subject Outline

This course is designed for students who possess a high level of musicianship and ensemble skills, demonstrated through successful completion of at least one semester of Music at Stage 1.

This course provides an opportunity to extend and refine music-based skills in the following:

- Practical Performance
- Creative arts process, development and production
- Concepts in creative arts

Students design, plan, practise, rehearse, create, perform and/or present Creative music-based products. These products can include recording of works and public performances, and sound engineering.

Out of hours' rehearsals and performances are a non-negotiable expectation.

NUTRITION

Students undertaking this subject should have successfully completed at least 1 semester of Stage 1 Biology, Physics or Chemistry.

Subject Outline

This course offers students the opportunity to build a deeper understanding of the complex scientific principles and social issues relating to nutrition and health. It will enable students to appreciate, experience and understand the direct relationship between nutrition and the health and well-being of individuals and communities, as well as environmental and global issues.

Topics include:

- Principles of nutrition, physiology, and health
- Health promotion and emerging trends
- Sustainable food systems

It is recommended students purchase SASTA Stage 2 Nutrition Study guides to support their exam preparation (approx \$35).

PHYSICS

Full Year

It is recommended that students achieve a 'B' grade or better in at least 1 semester of Stage 1 Physics and Stage 1 Mathematical Methods to select this subject.

Subject Outline

Topics of study are grouped into three main sections. Within each topic there is an application, which shows one example of how the physics of that topic is used. The main sections and their subtopics are:

- Motion and relativity - projectile motion, forces and momentum, circular motion and gravitation, Einstein's relativity
- Electricity and magnetism - electric (E) fields, magnetic (B) fields, motion of charged particles in E & B Fields, electromagnetic induction
- Light and atoms - wave behaviour of light, wave-particle duality, structure of the atom and the standard model

It is recommended students purchase a SACE Stage 2 Physics Workbook to support their exam preparation (approx \$69).

SOCIETY & CULTURE

Students undertaking this subject should have demonstrated success in a Stage 1 Humanities subject.

Subject Outline

This course is designed around three topics which delve into aspects of society and culture in an Australian and global context. These topics are negotiated with students. Some examples may include:

- People and power
- Cultural diversity
- Social ethics
- The material world

Students investigate aspects of the chosen topics using an inquiry method, gaining understanding of the influence of power structures within different cultures and social change.

SPORTS INDUSTRY PATHWAYS

Subject Outline

The Sports Industry Pathways program is offered in collaboration with industry to provide insight into the diverse career opportunities within elite and community sporting and recreation organisations. With access to industry mentorship, first class facilities and data acquisition and analysis platforms, students enhance their aptitude and understanding of performance at an elite level in their chosen field.

SPORTS STUDIES - Integrated Learning

Subject Outline

This course is designed for students who have a keen interest in sport and physical activity. Sports studies is designed to facilitate collaborative learning. Through collaboration and teamwork, students learn to plan and organise activities, and to develop their understanding of, and empathy towards others. Students will undertake 4 assessment components, including:

- Practical inquiry tasks - aquatics, and 2 additional practical activities to be negotiated with the teacher
- Connectional task collaborative activity and decision making - students coach a sport of their choice to primary aged students
- Personal endeavour - students report on one aspect that affects an athlete's performance, ie. fitness programs, nutritional plans

The cost for the aquatics component of this course is approx. \$40.

TOURISM

Students undertaking this subject should have demonstrated success in a Stage 1 Humanities subject.

Subject Outline

In Tourism, students develop an understanding of the nature of tourists, tourism, and the tourism industry, and the complex economic, social, cultural, and environmental impacts and interactions of tourism activity. They investigate tourism locally, nationally, and globally and learn that tourism, as the world's largest industry, is more than an economic phenomenon. Tourism has an impact, directly and indirectly, on many aspects of people's lives and on the environment. Students' understanding of the sustainable management of tourism is central to this subject. Students should have demonstrated success in a Stage 1 Humanities subject to ensure achievement in this subject.

VISUAL ART/DESIGN

Subject Outline

This course is designed for students who have demonstrated ability in Visual Art at Stage 1 or Design Innovation & Entrepreneurship Package. This course provides opportunities for students to focus on their visual art strengths, areas of interest and ability. It allows students to increase understanding in their chosen practical area of art or print media, while developing knowledge and understanding of selected theoretical topics through research and investigation.

There may be materials costs incurred in this subject.

WORKPLACE PRACTICES

Subject Outline

In this course students develop knowledge, skills, and understanding of the nature, type and structure of the workplace.

Requirements For Success

It is recommended that students have a part time/casual job or are involved in some form of Vocational Education and Training.

There may be a cost incurred in this subject.