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Year 11 COURSE DESCRIPTIONS



YEAR 11 ATAR PATHWAY COURSES



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ATAR Courses - Overview

ATAR courses are examined externally for the purposes of university entrance and ideally suited to students achieving the majority A and B grades in their Year 10 subjects. Each subject in Year 11 is the counterpart of a subject in Year 12 and is normally studied as a prelude to the Year 12 course - for example Year 11 ATAR Geography is followed by Year 12 ATAR Geography.

Examinations occur each semester in Years 11 & 12 and count towards final Grades. External examinations occur at the end of Year 12 and are held in November. Specific dates for each year are available from the School Curriculum and Standards Authority website - <https://www.scsa.wa.edu.au/> in late July. To achieve an ATAR, students need to complete a minimum of 4 Year 12 ATAR courses and sit the external examinations.

Students wanting to enroll in an ATAR Pathway ideally should have successfully completed the Online Literacy & Numeracy Assessment (OLNA) in Year 10 or have prequalified by achieving Band 8 or higher in their Year 9 NAPLAN tests.

Students need to select a combination of 6 courses across the ATAR and General Pathway Grids – selecting one from each line of the grid. Your course counsellor will discuss suitable combinations specific to each student.

NOTE:

- As with all Senior High Schools, Denmark SHS will only run courses if sufficient students enrol to sustain them through to Year 12.
- Clashes are unavoidable, so students should consider the location of courses on the Selection Grid when determining the totality of their course section.
- Student wishing to undertake ATAR courses in Year 11 should ideally be achieving at a B or better in their Year 10 course and have teacher recommendation.
- A very sound C grade or better and teacher recommendation will be the absolute minimum Year 11 grade required for students to progress to any examinable course in Year 12.

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ATAR ENGLISH

What is ATAR English all about?

The English ATAR course focuses on developing students' analytical, creative, and critical thinking and communication skills in all language modes. It encourages students to critically engage, through the use of texts from their contemporary world, with texts from the past and with texts from Australian and other cultures. Through close study and wide reading, viewing and listening, students develop the ability to analyse and evaluate texts and enjoy creating their own imaginative, interpretive, persuasive and analytical responses. Students will also learn to speak and write fluently in a range of contexts improving their oral communication skills through discussion, debate and argument, in a range of formal and informal situations.

Who should select these units in Year 11?

Students who are hoping to gain entrance into University are required to complete an ATAR English course.

Students wanting to select ATAR English will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

Students who are planning to go to University will continue the ATAR English Units 3 and 4 in Year 12. A passing grade in this course is a requirement to obtain an ATAR.

Areas of Study

UNIT 1 – Language, culture and meaning

- Relationships between language, text, context and meaning
- Conventions and structures of various written and visual texts
- Investigate and evaluate how responses to text are influenced
- Creation of a range of different text types

UNIT 2 – Ideas, values and attitudes in texts

- Representation of ideas, values and attitudes in texts
- Comparisons between representations in multimodal texts
- Analyse and evaluate variance of responses to texts
- Creation of a range of texts

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Responding – analytical essays, oral productions, reviews, feature articles and other expository texts, film, discussion
- Creating – imaginative, interpretive and persuasive texts in a range of modes such as; short stories, letters, diary entries, oral production
- Examination – both analytical and creative responses will be assessed in an examination at the end of each unit

ATAR ENGLISH LITERATURE

What is ATAR Literature all about?

Across the two units, it is expected that students develop a more sophisticated understanding of the elements of literary study. They are also expected to respond to texts of increasing complexity and explore how our response to literary texts results from relationships between writer, reader, text and context. They do close textual analysis of literary texts and develop their understandings of the historical and cultural contexts of the writer, the text and the reader. In these units, students explore how language works in literary texts and how readers are positioned.

Students consider how texts are structured according to genre and how the readers' expectations about genre influence their response to texts. They are also expected to consider others' readings of texts, including those of professional reviewers or critics. Students are required to use their experience of literature and their own experience and values to create their own literature.

Who should select these units in Year 11?

Students who enjoy reading and writing, have strong analytical skills and are achieving an A or B grade in Year 10 English.

Students wanting to select ATAR Unit 1 Literature will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

Upon successful completion of these units, students would progress to ATAR Literature in Year 12.

Areas of Study

UNIT 1 - Prose Fiction, drama and poetry

- Examine reader response to texts
- Develop knowledge of literary conventions and close textual analysis
- Examine the importance of contextual information
- Produce creative responses

UNIT 2 - Prose Fiction, drama and poetry

- Develop understanding of intertextuality, the ways texts connect with each other
- Explore different ideas, language and structure of texts
- Experiment with text structures and language features

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Extended written responses
- Short written responses
- Creative production of a literary text
- Oral presentations
- Examination

ATAR GEOGRAPHY

What is ATAR Geography all about?

Geography is more than just capital cities and continents. There has never been a better or more important time to study geography. Whatever your passion for the world, geography will provide you with the knowledge to understand how patterns of human and physical features differ from place to place across the earth. This course will explore these global patterns through a study of natural and ecological hazards and global connections.

Who should select these units in Year 11?

Students with an interest in learning about people, places the environment and who intend on going to University.

Students wanting to select ATAR Geography will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN. Recommended prerequisite of an A or B grade in Year 10 HaSS.

Pathway

Upon successful completion of these units, students would progress to ATAR Geography Unit 3 – Global environmental change and Unit 4 -Planning sustainable places, in Year 12.

Areas of Study

UNIT 1 – Natural and ecological hazards

- Natural hazards- earthquakes and bushfires
- Ecological hazards- infectious/animal transmitted diseases
- Geographical skills

UNIT 2 – Global networks and interconnections

- Globalisation- producing and consuming wine
- Globalisation –adoption and adaptation of surfing
- Geographical skills

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Geographical inquiry
- Fieldwork/practical skills
- Short and extended responses
- Examination

ATAR MODERN HISTORY

What is ATAR Modern History all about?

Modern History is a fascinating course that explores some of the major events in world history. You will find the answers to questions such as: How did an isolated country like America come through two world wars and a great depression to become an economic powerhouse? How could people legally vote for a man like Adolf Hitler to rule them? Why did the Holocaust happen and why were the Jewish people targeted? There will be a major focus on key people and ideas significant in America and Germany during the 20th Century.

Who should select these units in Year 11?

This course would be useful for students who enjoy learning about the past and are thinking of pursuing a career in the areas of research, teaching, journalism or government.

Students wanting to select ATAR Modern History will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN. Recommended prerequisite of an A or B grade in Year 10 HaSS.

Pathway

This course will lead to the study of the modern world since 1945 in Units 3 and 4 in Year 12 and possible University entrance.

Areas of Study

UNIT 1 – Understanding the modern world

- USA and the capitalist experience
- Economic boom of the 1920s.
- Impact of WW1 and WW2 on America.
- The Great Depression.

UNIT 2 – Movements for change in the 20th century

- Nazism in Germany
- Nature and key aspects of the Nazi state – Hitler's control over society.
- War, the persecution of the Jewish people and the Holocaust.

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Historical Inquiry
- Source Analysis
- Short Answer test
- Essay
- Examination

ATAR PSYCHOLOGY

What is ATAR Psychology all about?

Psychology is the scientific study of human behaviour. It aims to answer important questions such as what motivates behaviour and which factors influence people's development. Whilst there are other disciplines that also aim to understand human behaviour, psychology uses the scientific method. This allows for exploration into the complexities of human behaviour based on scientific evidence.

Who should select these units in Year 11?

A student would need to have a genuine interest in brain anatomy, and human behaviour and a willingness to use statistics to analyse data.

It is recommended that students have achieved at least a C grade in year 10 science.

Students wanting to select ATAR Psychology will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN. Students should also be competent in writing English essays.

Pathway

This course will lead to ATAR Psychology Units 3 and 4 in Year 12.

Areas of Study

UNIT 1 – Self and others

- Brain anatomy
- Intelligence
- Relationships
- Communication
- Research methods

UNIT 2 – Self and others

- Human development
- Personality
- Social psychology
- Prejudice
- Cultural values
- Research methods
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To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Tests
- Research reports
- Exams
- Scientific reports
- Projects

MATHEMATICS, SCIENCE & INFORMATION TECHNOLOGY

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ATAR APPLIED INFORMATION TECHNOLOGY

What is ATAR Applied Information Technology all about?

This course develops the fundamental skills and knowledge required to face current and future challenges and opportunities across entertainment, education, commerce, and lifestyles. Students will investigate client-driven issues and challenges, devise solutions, produce models or prototypes and evaluate design solutions. Students gain skills and understanding of applications, computer systems and networks and will be provided with the opportunity to experience developing digital solutions for real situations through client-driven briefs. In undertaking projects and designing solutions the legal, ethical, and social issues associated with each solution are also considered and evaluated.

Who should select these units in Year 11?

There are no pre-requisites for this course. As this course builds essential skills and knowledge in Information Technology, it can open a core pathway into technology-based careers and numerous technology-driven careers of the future.

Pathway

Successful completion of these units will enable students to move onto Applied Information Technology Units 3 & 4 in year 12 and continue into fields of Administration, Design, Project Management, Networks and Data Management.

Areas of Study

UNIT 1 – Media information and communication technologies

- Design concepts
- Hardware
- Impacts of technology (copyright, social networking, digital citizenship)
- Application skills (word, excel, photoshop)
- Project management

UNIT 2 – Digital technologies in business

- Managing data
- Networks
- Impacts of technology
- Application skills (animation, editing)
- Project management

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Project (40%)
- Short Answer (15%)
- Extended Answer (15%)
- Examination (30%)

ATAR BIOLOGY

What is ATAR Biology all about?

This course allows students to see the interactions of biological systems; from cellular processes through to ecosystem dynamics. Students are able to appreciate the delicate balance of varying factors within the biosphere and how biological continuity changes over time. The interconnectedness of an ecosystem is explored by understanding how energy flows and interacts at every level. Classification, adaptations, structure and function are used to examine the biodiversity of an area, particularly in Australia. Fieldwork and biology skills are developed to investigate the effects of certain biotic and abiotic factors on an ecosystem; including human activity, natural phenomena and sustainability and conservation practices.

Who should select these units in Year 11?

For those who wish to understand the ecological world around them and the effects humans and other processes have on the health of the environment.

It is recommended that students wanting to select ATAR Biology to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

Students will be able to further their knowledge by completing Biology in Year 12. They can use the skills gained to work towards a range of careers including:

Medical, veterinary, food and marine sciences, agriculture, biotechnology, environmental rehabilitation, biosecurity, quarantine, conservation, land management, parks and recreation, eco-tourism, horticulture and landscaping.

Areas of Study

UNIT 1 – Ecosystems and Biodiversity

Students investigate and describe a number of diverse ecosystems, exploring the range of biotic and abiotic components to understand the dynamics, diversity and underlying unity of these systems.

UNIT 2 – From Single Cells to Multicellular Organisms

Students examine inputs and outputs of cells to develop an understanding of the chemical nature of cellular systems, both structurally and functionally, and the processes required for cell survival.

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Practical
- Investigation (fieldwork, research and reports)
- Extended Response
- Test
- Examination

ATAR CHEMISTRY

What is ATAR Chemistry all about?

Chemistry is the study of everything that takes up space and has mass (Matter). The Chemistry course is designed to facilitate the achievement of five outcomes:

- Investigating in chemistry (practical work);
- Structure, properties and uses of materials (atomic structure and bonding);
- Interaction and change (chemical reactions);
- Problem solving (chemical calculations); and Chemistry in action (biological, environmental and industrial applications).
- Chemistry is a highly desirable course for many university science and engineering related courses.

Who should select these units in Year 11?

- You enjoy working with numbers.
- You are interested in a science based career like mining, medicine, environmental studies.
- You want to use Chemistry as a University entrance course.
- Though not a prerequisite for most courses you may wish to study at university, the chemistry background in year 11 is more often than not beneficial in most science based career pathways.
- To study year 11 Chemistry, it is recommended that students should be achieving B grades or better in Mathematics and Science.

Students wanting to select ATAR Chemistry will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

Upon successful completion of these units, students would progress to study Chemistry in Year 12.

Areas of Study

UNIT 1 – Chemical fundamentals

- Structure of materials
- Bonding
- Properties of materials
- Reactions
- Calculations involving reactions

UNIT 2 - Molecular interactions and reactions

- Acids and bases
- Applied chemistry
- Organic Chemistry
- Further reactions

ATAR COMPUTER SCIENCE

What is ATAR Computer Science all about?

The Computer Science ATAR course has been reviewed and updated for 2023 with a new focus on improving course outcomes for students. Students utilise and enhance established analysis and algorithm design skills to create innovative digital solutions to real-world problems. In the process, students develop computational, algorithmic and systems thinking skills which can be successfully applied to problems across domains outside Information Technology. In addition to the development of software, the essential concepts of networking, data management and cyber security are explored. Furthermore, Ethical considerations, security requirements and legal factors that affect society as a whole and their influence and impact on the development of digital solutions are examined.

Who should select these units in Year 11?

Although there are no pre-requisites for this course, studying computers in lower school and an interest in technology and computing is advantageous. This course explores fundamental computing principles, concepts, and skills, and can lead to a variety of high value in-demand technology-based careers.

Pathway

Successful completion of these units will enable students to move onto Computer Science Units 3 & 4 in year 12 and continue into a variety of high-level technology-based careers and employment in other areas, including Science, Technology, Engineering, Mathematics and Business.

Note: Students in year 12 who did not take units 1 & 2 in year 11 can enrol in units 3 & 4 but it is recommended students enrol in year 11 to get a thorough grounding in the subject.

Areas of Study

UNIT 1 – Design and development of programming and networking solutions

- **Programming** – programming skills and concepts, good programming practice, structured algorithms, testing, error and debugging code, external modules, ethical and legal implications of software development.
- **Network Communications** – network components, security, and performance.

UNIT 2 – Design and development of database solutions and cyber security considerations

- **Cyber Security** – ethics and law, network security, network threats, Cryptography.
- **Data Management** – database management systems (DBMS), core database concepts, data modelling, data integrity, normalisation, database creation and manipulation, development issues.

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Project (40%)
- Theory Test (20%)
- Practical Test (10%)
- Examination (30%)

ATAR HUMAN BIOLOGY

What is ATAR Human Biology all about?

This course gives students a chance to explore how the human body works, the origins of human variation, population genetics and reproduction. Through their investigations, students research new discoveries that increase our understanding of human dysfunction – what happens when things go wrong. Students investigate the body systems through practical activities including mammalian heart dissection, rat reproductive system dissection and extracting DNA from fruits. Students learn to evaluate risks and benefits and make informed decisions about lifestyle and health topics, such as diet, alternative medical treatments, use of chemical substances and the manipulation of fertility.

Who should select these units in Year 11?

Students who enjoy learning about the human body and are interested in a career in a science related discipline including; medical, paramedical, nursing and physiotherapy.

Students wanting to select ATAR Human Biology will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

Successful completion of these units will enable students to progress to Human Biology Units 3 & 4 in Year 12. Subjects that could combine well with Human Biology are Biology, Chemistry, Psychology and Physical Education.

Areas of Study

UNIT 1 – The Functioning Human Body

- Analyse the structure and function of body systems including respiratory, circulatory, excretory and musculoskeletal systems.
- Examine the relationships between different body systems.
- Effect of lifestyle choices on body functioning.

UNIT 2 – Reproduction and Inheritance

- Examine the reproductive systems of males and females
- DNA and cell reproduction
- Human reproduction including STI's, pregnancy and birth
- Inheritance and Punnett squares
- Analyse the effects of the environment on gene expression

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Science Inquiry: Practical and Investigation
- Extended Response
- Tests
- Examination

ATAR MATHEMATICS APPLICATIONS

What is ATAR Mathematics Applications all about?

Mathematics Applications is an ATAR course which provides opportunities for students to develop systematic strategies and use mathematics effectively, efficiently and critically to make informed decisions in their daily lives.

Applications provides students with the mathematical knowledge, skills and understanding to solve problems in real contexts, in a range of workplace, personal, further learning and community settings.

Who should select these units in Year 11?

This course is designed for students who have a wide range of educational and employment aspirations including continuing studies at university or TAFE.

It is recommended that students have achieved a B or C grade in year 10 mathematics.

Students wanting to select ATAR Mathematics Applications will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

This course leads into Mathematics Applications units 3 and 4.

Areas of Study

UNIT 1 - Title

- Consumer arithmetic
- Rate and percentage change
- Earning and managing money
- Using spreadsheets
- Algebra and matrices
- Similarity of shapes
- Simple and compound geometric shapes

UNIT 2 - Title

- Univariate data
- Statistical investigations
- Applications of trigonometry
- Elevation, depression and bearings in navigation
- Linear equations
- Graphing

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Response (tests)
- Investigations
- Examinations

ATAR MATHEMATICS METHODS

What is ATAR Mathematics Methods all about?

Mathematics Methods is an ATAR course which focuses on the use of calculus and statistical analysis. The study of calculus provides a basis for understanding rates of change in the physical world and includes use of functions, their derivatives and integrals in modelling physical processes. The study of statistics develops students' ability to describe and analyse phenomena that involve uncertainty and variation.

Who should select these units in Year 11?

Students wanting to select Mathematics Methods will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Recommended that students have achieved an A or high B grade in Year 10 Mathematics.

You should select this course

- If you want to use Mathematics Methods as a University entrance course.
- IF Mathematical Methods is a prerequisite for a course you wish to study at university.
- If your future pathways may involve mathematics and statistics and their applications in a range of disciplines at the tertiary level.

Pathway

This course leads into Mathematics Methods units 3 and 4.

Areas of Study

Unit 1 - Involves key concepts of a function and its graph. It includes the study of probability and statistics with the introduction of conditional probability and independence. Students will examine the study of trigonometric functions beginning with the unit circle and the trigonometry of triangles and its applications, degrees and radians.

Unit 2 - Introduces exponential functions and their properties and graphs. Arithmetic and geometric sequences are examined with recursive definitions applied. Rates and average rates of change are introduced followed by the concept of derivative as instantaneous rate of change. This first calculus topic concludes with derivatives of polynomial functions, sketching and calculating slopes and equations of tangents determine velocities and solve optimisation problems.

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Response (tests)
- Investigations
- Examinations

ATAR MATHEMATICS SPECIALIST

What is ATAR Mathematics Specialist all about?

Mathematics specialist is an ATAR course which **must** be selected in conjunction with Mathematical Methods. The Specialist course provides opportunities beyond those presented in Methods course, to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively. The course contains topics in functions and calculus that build on and deepen the ideas presented in Methods course. The Specialist course extends understanding of statistics and introduces the topics of vectors, complex numbers and matrices.

Who should select these units in Year 11?

Students wanting to select Mathematics Specialist will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Recommended that students have achieved an A Year 10 Mathematics and have considerable algebraic understanding and skills.

You should select this course

- You want to use Mathematics Specialist as a University entrance course.
- Mathematics Specialist is a prerequisite for a course you wish to study at university
- If you have a strong interest in mathematics, including those intending to study mathematics, statistics, all sciences and associated fields, economics or engineering at university.

Pathway

This course leads into Mathematics Specialist units 3 and 4.

Areas of Study

Unit 1 - Involves developing mathematical arguments, Euclidean Geometry, vectors and complex numbers. The topic Combinatorics provides techniques that are useful in many areas of mathematics, including probability and algebra. The topic Vectors in the Plane provides perspectives on working in two dimensions.

Unit 2 - Matrices provide new perspectives in two-dimensional space and Real and Complex Numbers provides a continuation of the study of numbers. The topic Trigonometry contains techniques used in Methods. All topics develop students' abilities to construct mathematical arguments. The technique of proof by the principle of mathematical induction is introduced.

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Response (tests)
- Investigations
- Examinations

ATAR PHYSICS

What is ATAR Physics all about?

Physics is a fundamental science that explains the amazing natural phenomena that occur in the universe. In this course, you will collect, analyse and interpret primary data through some interesting experiments and investigations and use it together with secondary data to learn about models, laws and theories. These include the kinetic theory model, the atomic model, electromagnetic theory and the laws of classical mechanics.

You will learn about the unifying concept of energy in preparation for the study of more sophisticated phenomena including Quantum Theory, Theory of Relativity and the Standard model and how old theories and models are refined and new exciting ones are developed.

Who should select these units in Year 11?

Students that enjoy working with simple Geometry and Algebra and interested in a career in areas of engineering, renewable energy generation, communication, development of new materials, transport and vehicle safety, medical science, climate change and exploration of the universe.

Students wanting to select ATAR Physics will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

Upon successful completion of these units, students would progress to ATAR Physics in Year 12 and complete Units 3 and Unit 4. They can use the skills gained to work towards a range of careers that directly require physics or where logical skills learn in Physics are required such as science, engineering, medicine and technology.

Areas of Study

UNIT 1 – Thermal, Nuclear and Electrical Physics

Investigate energy production by considering heating processes, radioactivity and nuclear processes, and investigate energy transfer and transformation in electrical circuits.

UNIT 2 – Linear Motion and Waves

Describe, explain, predict linear motion and investigate the application of wave models to sound phenomena.

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Experiments
- Investigations
- Evaluation and Analysis
- Tests

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ATAR OUTDOOR EDUCATION

What is ATAR Outdoor Education all about?

The Outdoor Education ATAR course aims to develop an understanding of our relationships with the environment, others and ourselves, and ultimately contribute towards a sustainable world. The integrated approach within this course allows for practical activities, theoretical concepts, and relationship with the environment to be incorporated into a meaningful program of learning. It provides students with an opportunity to develop essential life skills and physical activity skills, an opportunity to develop a comprehensive understanding of the environment and develop a positive relationship with nature. The course aims to develop self-awareness and leadership through opportunities to plan for, and facilitate, outdoor experiences.

Who should select these units in Year 11?

- You enjoy participating in a variety of outdoor activities
- Are interested in nature and the environment
- You interested in post school pathways in tertiary education.

Students wanting to select ATAR Outdoor Education will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

The course will prepare students for career and employment pathways in areas such as outdoor leadership, environmental interpretation, environmental planning, environmental law, facilities management, eco-tourism, military service, outdoor education, and the many unforeseen areas evolving in the outdoors industry.

Areas of Study

UNIT 1	UNIT 2
<ul style="list-style-type: none">• The focus of this unit is being responsible in the outdoors• Developing effective problem solving, decision making and outdoor leadership skills• Working effectively in a groups and as part of a team• Developing knowledge and awareness of the natural environment• Introduction to sustainability and local environment management strategies• Consider the role technology plays in human relationships with nature• Planning and participation in extended expeditions	<ul style="list-style-type: none">• The focus of this unit is attaining independence in the outdoors• Develop competence in increasing levels of self-sufficiency, technical understanding and physical fitness• Conduct emergency response processes• Deliver and participate in debriefing exercises and experience shared leadership• Extend your understanding of the environment and develop weather forecasting skills• Explore current controversial environmental issues

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Investigation – plan and conduct research and communicate findings
- Performance – specific outdoor adventure skills and expeditions
- Response – analyse and respond to prompts
- Examination

ATAR PHYSICAL EDUCATION STUDIES

What is ATAR Physical Education Studies all about?

The focus of this course is on providing students with a greater understanding to the development of the whole person. Students will develop an understanding of improving performance in physical activities through the integration of theory and practice. The course focuses on the relationship between biomechanical, physiological, motor learning and coaching and psychological influence on individual and team performance. Selected study of physical activities reinforces written and oral learning experiences.

Who should select these units in Year 11?

- You currently play competitive sport
- You are interested in how the body moves and functions
- You would like to complete ATAR Physical Education Studies Unit 3 & Unit 4 in Year 12.
- You interested in post school pathways in the sport, leisure and recreation industries.

Students wanting to select ATAR Physical Education Studies will need to have successfully passed the Online Literacy and Numeracy Assessment (OLNA) in Year 10 or prequalified by achieving Band 8 or higher in the Year 9 NAPLAN.

Pathway

Upon successful completion of these units, students would progress to ATAR Physical Education Studies Unit 3 and Unit 4 in Year 12 in preparation for post school pathways.

Areas of Study

UNIT 1

- Developing skills and tactics
- Classification of motor skills
- Processes of coaching specific skills
- Use of musculoskeletal system structures in the production of movement
- Structure and function of the respiratory and circulatory system
- Observation, description and analysis of biomechanical movement
- Physical capabilities and influences of energy systems to improve performance
- Mental skills required and strategies used to manage stress motivation and concentration.

UNIT 2

- Developing skills and tactics
- Effective instructing and coaching
- Characteristics of skeletal muscles and their relationship to the production of movement
- Muscle action and joint movement
- Newton's laws
- Body types
- Biomechanical principles relating to motion
- Principles of training, training types
- Components of fitness
- Motivation and arousal levels and their influence on performance

To provide for different learning styles a variety of assessment tasks are used. For each course of study tasks are selected from:

- Written response – In class written assessments and external examinations
- Written investigations – Written research assessments
- Practical Performance – Practical assessments and on selected physical activities

ATAR VISUAL ART

What is ATAR Visual Art Studies all about?

The Visual Arts ATAR course encompasses the practice and theory of the broad areas of art, craft and design. Students have opportunities to express their imagination, develop personal imagery, develop skills and engage in the making and presentation of artwork. They develop aesthetic understandings and a critical awareness that assists them to appreciate and make informed evaluations of art. Students gain knowledge, understanding and appreciation of art and culture, both in Australian and international contexts. They analyse and evaluate their own works and the works of others from a range of historical and cultural viewpoints, and develop an appreciation of the role of art in the community and their daily lives. Through their art experiences, they come to an understanding of broader questions about the values and attitudes held by individuals and societies and gain an awareness of the role that art plays in reflecting, challenging and shaping societal values.

Areas of Study

Unit 1 – Differences

The focus of this unit is differences. Students consider differences arising from cultural diversity, place, gender, class and historical period in their art making and interpretation.

The focus for this unit is differences. Students may, for example, consider differences arising from cultural diversity, place, gender, class and historical period. Differences relating to art forms, media and conventions may also provide a stimulus for exploration and expression.

Unit 2 – Identities

The focus of this unit is identities. Students explore concepts or issues related to personal, social, cultural or gender identity in their art making and interpretation.

The focus for this unit is identities. In working with this focus, students explore concepts or issues related to personal, social, cultural or gender identity. They become aware that self-expression distinguishes individuals as well as cultures. Students use a variety of stimulus materials and use a range of investigative approaches as starting points to create artwork. They develop a personal approach to the development of ideas and concepts, making informed choices about the materials, skills, techniques and processes used to resolve and present their artwork.

Types of assessment

Production - A body of work that incorporates resolved artwork and documentation of thinking and working practices.

Analysis - Response to analysis and evaluation of artwork sourced from a variety of forms, periods, times and/or cultures.

Investigation - Case studies involving research and visual analysis focused on Australian and/or international visual arts practice.

Examination - Typically conducted at the end of each semester and/or unit. In preparation for Unit 3 and Unit 4, the examination should reflect the examination design brief included in the ATAR Year 12 syllabus for this course.

