



Course Descriptions

Stage 5: Years 9 and 10

RoSA 2023



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GENERAL INFORMATION

The NSW Record of School Achievement (RoSA)

The Record of School Achievement is awarded by the New South Wales Education Standards Australia (NESA) to eligible students at the end of Stage 5. It prepares students for success in HSC study, training and apprenticeships or in the workplace. It also provides a detailed picture of students' strengths and achievements at the end of Stage 5 education.

Stage 5 Courses

To receive the RoSA, students are required to study courses in each year in Years 7-10 in English, Mathematics, Science, Human Society and its Environment (HSIE) and Personal Development, Health and Physical Education (PDHPE). At some time during Years 7-10, students are also required to study courses in Creative Arts, Technology and Applied Studies and Languages.

Stage 5 Grades

Students are awarded a grade for each of the courses they have studied in Years 9 and 10. The grades are based on a set of Course Performance Descriptors developed by NESA. They indicate a student's full range of achievements in each course, providing a detailed report of the student's overall performance.

There are no external examinations for Stage 5.

The RoSA Credential

All students successfully completing the Stage 5 will achieve a Record of School Achievement and this data will continue to be collected throughout Year 11 and 12, and is especially designed for those students leaving before they receive their HSC. The purpose of the credentials are to:

- Provide an ongoing, cumulative record for students. It will record grades for courses students complete in Year 10 (and in 2024 Year 11),
- Report results of moderated, school-based assessment,
- Introduce an optional, online literacy and numeracy testing for school leavers,
- Provide the opportunity for students to incorporate extra-curricular achievements.

The Record of School Achievement is awarded by the New South Wales Education Standards Australia (NESA) to eligible students at the end of Stage 5. It prepares students for success in HSC study, training and apprenticeships or in the workplace. It also provides a detailed picture of students' strengths and achievements at the end of Stage 5 education.

Stronger HSC Standards

NSW students must meet the minimum standard of literacy and numeracy to be eligible for the HSC credential.

The minimum standard is part of a broader NSW Government strategy to boost student literacy and numeracy across the state. Through the State Literacy and Numeracy Action Plan 2012–2016, the government focused on supporting students in Kindergarten to Year 2 whose literacy and numeracy development was at risk.

The minimum standard is set at Level 3 of the **Australian Core Skills Framework (ACSF)**, a nationally agreed standard of functional literacy and numeracy. Federal and state government ministers have endorsed the ACSF.

Meeting the Minimum Standards

To demonstrate they meet the minimum standard of literacy and numeracy, students will **sit the new online reading, writing and numeracy tests** developed by NESA from Year 10 onwards.

Students master essential literacy and numeracy concepts at different times in their schooling, so there will be many opportunities for students to meet the minimum standard between Year 10 and when they complete the HSC.

The online literacy and numeracy tests will be available for students to sit up to twice a year in Years 10, 11 and 12 and for up to five years after starting the HSC if required.

If a student meets the minimum standard of literacy and numeracy in one area, they will not need to sit that area again. For example, if a student meets the minimum standard in the online reading and writing tests in Year 10 but not in numeracy, they will only need to sit the online numeracy test until they meet the minimum numeracy standard.

Some students will need extra support and tuition between sitting the tests to improve their skills to meet the standard.

Elective Choices on Offer for 2022/2023

Students will be able to choose three electives that will lead towards a Stage 5 RoSA at the end of Year 10 in 2023.

The selection process will ask students to choose four electives, in order of preference. From the collated responses we will be able to determine the electives running in 2022/2023. The revised elective choices, based on those courses most popular with students, will then be redistributed and students will be asked to choose from the revised list.

<i>POSSIBLE ELECTIVES</i>	<i>Priority Order</i>
Commerce	
Design and Technology	
Drama	
Food Technology	
French	
Graphics Technology	
History Elective	
Industrial Technology- Engineering	
Industrial Technology- Timber	
Information Software Technology	
Music	
Photographic and Digital media	
Textile Technology	
Visual Arts	

COMMERCE (*Elective*)

Commerce is an elective course that can be studied for 100 or 200 hours at any time during Years 7–10.

Course Description

Commerce enables young people to develop the knowledge, understanding, skills and values that form the foundation on which they can make sound decisions about consumer, financial, legal, business and employment issues. It develops in students the ability to research information, apply problem solving strategies and evaluate options in order to make informed and responsible decisions as individuals and as part of the community.

What will students learn about?

Students undertaking a 200 hour course will study Core Units and Options. Options may be studied for 15–25 indicative hours each.

Core Units

1. Consumer Decisions
2. The Economic and Business Environment
3. Work and Work Futures
4. Law, Society and Political Involvement

Options

1. Our Economy
2. Investing
3. Promoting and Selling
4. Running a Business
5. Law in Action
6. Travel
7. Towards Independence
8. School-developed Option

What will students learn to do?

Student learning in Commerce will promote critical thinking and the opportunity to participate in the community. Students learn to identify research and evaluate options when making decisions on how to solve consumer problems and issues that confront consumers. They will develop research and communication skills, including the use of ICT, that build on the skills they have developed in their mandatory courses.

RoSA

Satisfactory completion of 100 or 200 hours of study in Commerce during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

DESIGN AND TECHNOLOGY (*Elective*)

Design and Technology is an elective course that may be studied for 100 or 200 hours for a RoSA. It builds on the knowledge, skills and experiences developed in the Technology (Mandatory) Years 7–8 Syllabus.

Course Description

Design and Technology develops a student's ability to be innovative and creative through the planning and production of design projects related to real life needs and situations. The design and development of quality projects gives students the opportunity to identify needs and opportunities, research and investigate existing solutions, analyse data and information, generate, justify and evaluate ideas and experiment with tools, materials and techniques to manage and produce design solutions.

What will students learn about?

All students will learn how to design, produce and evaluate quality solutions for the world around them. They will learn about a range of design processes, the interrelationship of design with other disciplines and the activity of past and current designers. They will develop an appreciation of the impact of technology on the individual, society and the environment through the study of past, current and emerging technologies. Ethical and responsible design, preferred futures and innovation are all dealt with through the study of design and designers.

What will students learn to do?

Students will be challenged to identify, analyse and respond to genuine NEEDS through research and experimentation, leading to the development of quality design solutions.

They will learn to access, manage and safely use a range of materials including ferrous, non-ferrous metals, timbers and polymers. While traditional tools and techniques will be taught, innovative technologies including laser cutting, engraving and 3D printing will become the focus. Projects will vary from year to year however past projects have included; Clocks, BBQs, Tables, Toys, Candle holders and Mirrors.

One highlight of the program is the collaborative activity of designing and constructing a Rube Goldberg Machine. A Rube Goldberg Machine is a contraption that uses a chain reaction to carry out a simple task in a complicated way.

RoSA

Satisfactory completion of 100 or 200 hours of study in Design and Technology during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

DRAMA (*Elective*)

Drama is an elective course that can be studied for 100 or 200 hours at any time during Years 7–10.

Course Description

Drama enables young people to develop knowledge, understanding and skills individually and collaboratively to make, perform and appreciate dramatic and theatrical works. Students take on roles as a means of exploring both familiar and unfamiliar aspects of their world while exploring the ways people react and respond to different situations, issues and ideas.

What will students learn about?

All students undertake a unit of play building in every 100 hours of the course. Play building refers to a group of students collaborating to make their own piece of drama from a variety of stimuli. At least one other dramatic form or performance style must also be studied in the first 100 hours. Examples of these include improvisation, mime, script, puppetry, small screen drama, physical theatre, street theatre, mask, comedy and Shakespeare. Students also learn about the elements of drama, various roles in the theatre, the visual impact of design, production elements and the importance of the audience in any performance.

What will students learn to do?

Students learn to make, perform and appreciate dramatic and theatrical works. They devise and enact dramas using scripted and unscripted material and use acting and performance techniques to convey meaning to an audience. They learn to respond to, reflect on and analyse their own work and the work of others and evaluate the contribution of drama and theatre to enriching society.

RoSA

Satisfactory completion of 100 or 200 hours of study in Drama during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

ENGLISH (Mandatory)

English is a mandatory course that is studied substantially in each of Years 7–10 with at least 400 hours to be completed by the end of Year 10. This is a requirement for eligibility for the award of a RoSA.

Course Description

The study of English in Years 7–10 aims to develop students' knowledge, understanding, appreciation and enjoyment of the English language and to develop their skills as effective communicators.

Students develop their control of language by reading and viewing a range of texts and by writing imaginative, interpretive and critical texts with clarity and accuracy for a range of purposes and audiences. Students engage with and explore literature of past and contemporary societies, as well as a range of spoken, visual, media and multimedia texts.

Course Features

The study of English in Years 7–10 includes:

- developing clear and precise skills in reading, writing, speaking, listening, viewing and representing
- the study of Australian literature
- experience of Shakespearean drama (in Stage 5)
- the study of everyday and workplace texts
- the study of Aboriginal experiences and multicultural experiences.

What will students learn about?

Students learn to develop clear and precise skills in writing, reading, listening, speaking, viewing and representing. For example, in developing writing skills, students in Stage 4 (Years 7 and 8) learn about sentence structures, grammar, punctuation, vocabulary and spelling.

Students study a range of texts including fiction, nonfiction, poetry, films, radio, television, newspapers, the internet and CD-ROMs. The texts give students experience of Australian literature and insights into Aboriginal experiences and multicultural experiences in Australia, and experience of literature from other countries and times.

Students also study texts that give experience of cultural heritages, popular cultures and youth cultures, picture books, everyday and workplace texts, and a range of social, gender and cultural perspectives. Students experience Shakespearean drama in Stage 5 (Years 9 and 10).

What will students learn to do?

Students develop their skills, knowledge and understanding so that they can use language and communicate appropriately, effectively and accurately for a range of purposes and audiences, in a range of contexts. They learn to think in ways that are imaginative, interpretive and critical. They express themselves and their relationships with others and the world, and reflect on their learning in English.

Course Requirements

The study of English in Years 7–10 involves the following text requirements:

Stage 4	Stage 5
Fiction – at least two works	Fiction – at least two works
Poetry – a wide range of types of poems	Poetry – a variety drawn from different anthologies and/or study of one or two poets
Film, or film on video or DVD – at least two works	Film, or film on video or DVD – at least two works
Nonfiction – at least two works	Nonfiction – at least two works
Drama – at least two works	Drama – at least two works

In Stage 5, the selection of texts must give students experience of **Shakespearean drama**.

RoSA

Satisfactory completion of the mandatory study of English during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

FOOD TECHNOLOGY (*Elective*)

Food Technology is an elective course that may be studied for 100 or 200 hours for a RoSA. It builds on the knowledge, skills and experiences developed in the Technology (Mandatory) Years 7–8 Syllabus.

Course Description

The study of Food Technology provides students with a broad knowledge and understanding of food properties, processing, preparation and their interrelationship, nutritional considerations and consumption patterns. It addresses the importance of hygiene and safe working practices and legislation in the production of food. Students will develop food specific skills, which can then be applied in a range of contexts enabling students to produce quality food products. It also provides students with a context through which to explore the richness, pleasure and variety food adds to life and how it contributes to both vocational and general life experiences.

What will students learn about?

Students will learn about food in a variety of settings, enabling them to evaluate the relationships between food, technology, nutritional status and the quality of life. The following focus areas provide a context through which the core (Food preparation and processing, nutrition and consumption) will be studied.

- Food selection and health
- Food for special needs
- Food for special occasions
- Food in Australia
- Food Equity
- Food product development
- Food trends

What will students learn to do?

The major emphasis of the Food Technology syllabus is on students exploring food related issues through a range of practical experiences, allowing them to make informed and appropriate choices with regard to food. Integral to this course is students developing the ability and confidence to design, produce and evaluate solutions to situations involving food. They will learn to select and use appropriate ingredients, methods and equipment safely and competently.

RoSA

Satisfactory completion of 100 or 200 hours of study in Food Technology during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

FRENCH (*Elective*)

The study of at least 100 hours in any language, to be completed over one continuous 12 month period, is a mandatory requirement for eligibility for the award of a RoSA. The 100-hour course must cover the Stage 4 outcomes and content of the chosen language syllabus, and must be studied between Years 7–10, but preferably in Years 7–8. The Board has developed syllabuses in many languages for the mandatory course.

When students have completed the mandatory 100 hours language study, they may continue the study of that language as an elective for a RoSA and/or choose to study another language.

Course Description

French provides students with the opportunity to gain effective skills in communicating in the chosen language, to explore the relationship between French and English, and to develop an understanding of the French culture.

What will students learn about in the study of a language?

Students will develop the knowledge, understanding and skills necessary for effective interaction in French.

They will explore the nature of languages as systems by making comparisons between English and French.

Students will also develop intercultural understandings by reflecting on similarities and differences between their own and the French culture.

What will students learn to do in the study of a language?

Students will develop the skills to communicate in French. They will listen and respond to spoken language. They will learn to read and respond to written texts in French. Students will establish and maintain communication in familiar situations using the language.

Students will explore the diverse ways in which meaning is conveyed by comparing and contrasting features of the language.

They develop a capacity to interact with people, their culture and their language.

RoSA

Satisfactory completion of the mandatory language study will be recorded on the student's Record of School Achievement. Satisfactory completion of 100 or 200 hours of elective study in a language (or languages) during Stage 5 (Years 9 and 10) will also be recorded with a grade on the student's Record of School Achievement.

GEOGRAPHY (Mandatory)

The Geography (Mandatory) course requires students to complete:
100 hours of Global Geography in Stage 4
100 hours of Australian Geography in Stage 5.
Civics and citizenship learning is an essential feature of the Years 7–10 Geography syllabus.

Course Description

Geography allows students to develop an understanding of and an interest in the interaction of the physical and human environments. Students will develop geographic knowledge, understanding, skills, values and attitudes in order to engage in the community as informed and active citizens.

The syllabus has two key dimensions that form the basis for the study of all content in Geography:

- the spatial dimension – where things are and why they are there
- the ecological dimension – how humans interact with environments.

What will students learn about?

Global Geography consists of four focus areas in which students learn about the geographical processes and human interactions that shape global environments. They also learn about geographical issues and different perspectives about the issues; and develop an understanding of civics and appropriate methods of citizenship for individual and group responses to these issues.

Students of Australian Geography learn about the interaction of human and physical geography in a local context. They examine Australia's physical environments and communities and explore how they are changing and responding to change. Students also look at Australia's roles in its region and globally and how individuals and groups are planning for a better future. An important feature of the Australian Geography course is to allow students to become more informed and active citizens.

What will students learn to do?

Students learn to gather, process and communicate geographical information from a variety of primary and secondary sources. The study of Geography also provides opportunities for students to learn to use a wide range of geographical tools including information and communication technologies (ICT), maps, graphs, statistics, photographs and fieldwork, assist students to gather, analyse and communicate geographical information in a range of formats.

Course Requirements

Fieldwork is an essential part of the study of Geography in Stages 4 and 5. In Stage 5, students are required to investigate a geographical issue through fieldwork by developing and implementing a research action plan.

RoSA

Satisfactory completion of the mandatory study of Geography during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

GRAPHICS TECHNOLOGY *(Elective)*

Graphics Technology is an elective course that may be studied for 100 or 200 hours for Stage 5. It builds on the knowledge, skills and experiences developed in the Technology (Mandatory) Years 7–8 Syllabus.

Course Description

The study of Graphics Technology develops an understanding of the significance of graphical communication as a universal language and the techniques and technologies used to convey technical and nontechnical ideas and information. Graphics Technology develops in students the ability to read, interpret and produce graphical presentations that communicate information using a variety of techniques and media.

What will students learn about?

All students will learn about the principles and techniques involved in producing a wide range of images, models, pictures and drawings. They will gain an understanding of graphics standards, conventions and procedures used in manual and computer based drafting.

Students undertaking 200 hours of Graphics Technology may also study a range of options that focus on specific areas of graphics including:

- Architectural Drawing
- Australian Architecture
- Cabinet and Furniture Drawing
- Computer Aided Design and Drafting
- Cartography and Surveying
- Computer Animation
- Engineering Drawing
- Graphic Design and Communication
- Landscape Drawing
- Pattern Design
- Product Illustration
- Technical Illustration.

What will students learn to do?

The major emphasis of the Graphics Technology syllabus is on students actively planning, developing and producing quality graphical presentations. Students will learn to design, prepare and present graphical presentations using both manual and computer based drafting technologies. They will learn to interpret and analyse graphical images and presentations and develop an understanding of the use of graphics in industrial, commercial and domestic applications.

RoSA

Satisfactory completion of 100 or 200 hours of study in Graphics Technology during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

HISTORY (Mandatory)

The History (Mandatory) course requires students to complete:
100 hours of History in Stage 4
100 hours of Australian History in Stage 5
This is a requirement for eligibility for the award of a RoSA.

Course Description

History develops in young people an interest in and enjoyment of exploring the past. A study of History provides opportunities for examining events, people and societies from ancient, medieval and modern times, including twentieth century Australia. Opportunities to develop a deeper understanding of civics and citizenship are a feature throughout the Years 7–10 History syllabus.

What will students learn about?

In Years 7–8, students explore the nature of history, how historians investigate the past and the importance of conserving our heritage. Aspects of the ancient and medieval world are studied, including origins and daily life of the ancient world and beliefs and values of medieval societies. The nature of colonisation and contact history is also examined.

In Years 9–10, students learn of significant developments in Australia's social, political and cultural history. Key topics include; World War I (including Gallipoli), World War II (with the opportunity to focus on the experiences of Australians such as a POW, a nurse, or a soldier in one theatre of war), the Vietnam War era and the study of one decade's social history in depth. Studies range from a Prime Minister to the experiences of a migrant group.

What will students learn to do?

Students learn to apply the skills of investigating history including analysing sources and evidence and sequencing major historical events to show an understanding of continuity, change and causation. Students develop research and communication skills, including the use of ICTs, and examine different perspectives and interpretations to develop an understanding of a wide variety of viewpoints. Students also learn to construct a logical historical argument supported by relevant evidence and to communicate effectively about the past to different audiences. Research activities could range from interviewing a Vietnam Veteran to examining newspaper accounts of the bombing of Darwin in WWII.

Particular Course Requirements

All students must complete a site study in Stage 4 and Stage 5.

RoSA

Satisfactory completion of the mandatory study of History during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

HISTORY – The Best Bits of Fun History (*Elective*)

Elective History is an elective course that may be studied for 100 or 200 hours for a RoSA. It builds on the knowledge, skills and experiences developed in the History (Mandatory) Years 7–8 Syllabus.

Course Description

History Elective enables young people to develop an interest in and enjoyment of exploring the past. A study of History Elective provides opportunities for developing a knowledge and understanding of past societies and historical periods. Students investigate the past using archaeological and written sources. They explore different perspectives and interpretations, and develop historical accounts and arguments, supported by evidence.

What will students learn about?

The History Elective course consists of three topics which include a range of options for study. The topics include:

Topic 1: History, Heritage and Archaeology

Topic 2: Ancient, Medieval and Modern Societies

Topic 3: Thematic Studies

Students will have the opportunity to explore all periods of History with options that include:

In Topic 1, students study at least ONE of the following:

- Archaeological sites
- Biography
- Family history
- Historical reconstructions
- History and the media
- History websites/online environments
- Film as history
- Local history
- Heritage and conservation
- Museum and/or archives studies
- Historical fiction
- Oral history

In Topic 2, students will study at least ONE ancient, medieval or modern society and in Topic 3, they will pick one or more themes from history such as Crime and Punishment, Music through History, World Myths and legends of War and Peace.

What will students learn to do?

Students will use enquiry learning to study societies in depth; to evaluate sources and to locate, select, organise and communicate historical information from a number of sources to address historical problems and issues. Students will also learn to explain how people from the past were influenced by different values, attitudes and motives and to see cause and effect, continuity and change in the events of History and to explore the meaning of these.

RoSA

Satisfactory completion of 100 or 200 hours of study in History Elective during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

INDUSTRIAL TECHNOLOGY- ENGINEERING (Elective)

Industrial Technology is being offered for the first time in 2021 and is an exciting elective course which builds on the knowledge, skills and experiences developed in Technology (Mandatory) Years 7-8 Syllabus.

Course Description

The study of Industrial Technology provides students with opportunities to engage in a diverse range of creative and practical experiences developing knowledge and understanding of materials and processes. This occurs through a specialised approach to tools, materials and techniques employed in the planning, development, construction and evaluation of quality practical projects. Students are required to undertake a range of practical experiences that occupy the majority of the course time. Students will also investigate a range of career paths in engineering and visit the University of Wollongong engineering labs.

What will the student learn about?

The Engineering 1 core module includes content that develops knowledge and skills in the use of tools, materials and techniques related to Engineered Structures and Engineered Mechanisms. Using foundational engineering principles and a focus on simple machines, students will work both independently and collaboratively to resolve design challenges presented to them.

These principles will be further developed through the study of specialist modules which may include:

- Alternative Energy Control Systems Transport or a
- School-Developed Module (allowing for student's interests)

What will students learn to do?

Practical projects will be the main vehicle for learning that will provide opportunities for students to develop specific knowledge, understanding and skills reflecting the nature of Engineering. These may include:

- Dismantling and assembling a range of devices and appliances
- Building electronic or mechanical control systems to achieve a task
- Programming microcontrollers on robots
- 3D printed components to support design solutions
- Constructing static structures to test to destruction
- Designing and manufacturing vehicles using alternative energy sources

RoSA

Satisfactory completion of Industrial Technology Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

INDUSTRIAL TECHNOLOGY- TIMBER (*Elective*)

Industrial Technology is being offered for the first time in 2021 and is an exciting elective course which builds on the knowledge, skills and experiences developed in Technology (Mandatory) Years 7-8 Syllabus.

Course Description

The study of Industrial Technology provides students with opportunities to engage in a diverse range of creative and practical experiences developing knowledge and understanding of materials and processes. This occurs through a specialised approach to tools, materials and techniques employed in the planning, development, construction and evaluation of quality practical projects. Students are required to undertake a range of practical experiences that occupy the majority of the course time. Student will also investigate a range of career paths in engineering.

What will the student learn about?

The Timber focus area will provide opportunities for students to develop their knowledge, understanding and skills in relation to timber and associated industries. The core module develops knowledge and skills in the use of tools, materials and techniques. Some areas of focus will include safe procedures, risk management, project management, joining processes, material selection, timber structure, shaping, finishing, hardware, adhesives. Students will investigate a range of careers in timber industries including carpenter, cabinet maker, joiner and wood machinist.

The specialist module will build on the core module and may include the use of portable power and machine tools, framing and carcass joints, face plate turning, inlay, laser engraving and the production of kitchen styled cabinets.

What will students learn to do?

Practical projects undertaken will provide opportunities for students to develop specific knowledge, understanding and skills related to timber technologies. These may include:

- Decorative timber products
- Furniture items
- Bowls or turned products
- Storage and display units
- Storage and transportation products

RoSA

Satisfactory completion of Industrial Technology Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

INFORMATION AND SOFTWARE TECHNOLOGY

(Elective)

Information and Software Technology is an elective course that may be studied for 100 or 200 hours for a RoSA. It builds on the knowledge, skills and experiences developed in the Technology (Mandatory) Years 7–8 Syllabus.

Course Description

People will require highly developed levels of computing and technology literacy for their future lives. Students therefore need to be aware of the scope, limitations and implications of information and software technologies.

Individual and group tasks, performed over a range of projects, will enable this practical based course to deliver the relevant knowledge and skills needed by students. Development of technology skills and information about career opportunities within this area are important aspects of the course.

What will students learn about?

The core content to be covered in this course is integrated into the options chosen within the school. The course has been designed with an emphasis on practical activities that allow students to sustain focus in a range of interest areas at some depth.

The option topics to be studied within this course include:

- Artificial Intelligence, Simulation and Modelling
- Software Development and Programming (coding)
- Authoring and Multimedia
- Robotics and Automated Systems
- Internet and Website Development

What will students learn to do?

Students will identify a need or problem to be solved, explore a range of possible solutions and produce a full working solution. They will use a variety of technologies to create, modify and produce products in a range of media formats.

Group and individual project-based work will assist in developing a range of skills, including research, design and problem-solving strategies over the chosen topics.

RoSA

Satisfactory completion of 100 or 200 hours of study in Information and Software Technology during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

MATHEMATICS (Mandatory)

Mathematics is a mandatory course that is studied substantially in each of Years 7–10 with at least 400 hours to be completed by the end of Year 10. This is a requirement for eligibility for the award of a RoSA.

Course Description

Mathematics is used to identify, describe and apply patterns and relationships. It provides a precise means of communication and is a powerful tool for solving problems both within and beyond mathematics. In addition to its practical applications, the study of mathematics is a valuable pursuit in its own right, providing opportunities for originality, challenge and leisure.

The aim of Mathematics in K–10 is to develop students' mathematical thinking, understanding, competence and confidence in the application of mathematics, their creativity, enjoyment and appreciation of the subject, and their engagement in lifelong learning.

Students will have the opportunity to study one of the following courses:
Stage 5.2 Mathematics – a highly practical course which thoroughly prepares students to attempt the Stage 6 Mathematics Standard Course and for tertiary studies that are not focused on mathematics.

Stage 5.3 Mathematics – a course focused on algebraic skills and deduction as well as the practical aspects of the Stage 5.2 Course. This course prepares students to attempt the Stage 6 Mathematics Advanced and Extension 1 Courses and for mathematics based tertiary studies.

What will students learn about?

Students study units of work under the broad areas of Number and Algebra, Measurement and Geometry, and Statistics and Probability. This includes:

- Financial mathematics
- Algebraic techniques
- Graphing and interpreting data
- Area
- Trigonometry
- Geometrical figures
- Probability
- Coordinate geometry
- Perimeter
- Surface area and volume
- Properties of solids
- Deductive geometry

What will students learn to do?

Students develop an increasingly sophisticated and refined mathematical understanding, fluency, communication, logical reasoning, analytical thought and problem-solving skills. These capabilities enable students to respond to familiar and unfamiliar situations by employing strategies to make informed decisions and solve problems relevant to their further education and everyday lives.

RoSA

Satisfactory completion of the mandatory study of Mathematics during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

MUSIC (*Elective*)

The Music Years 7–10 Syllabus contains both Mandatory and Elective courses. The Mandatory course is taught as a coherent study of 100 hours, not spread over several years. The Elective course can be studied for 100 or 200 hours in Stage 5 (Years 9 and 10).

Course Description

All students should have the opportunity to develop their musical abilities and potential. As an art form, music pervades society and occupies a significant place in world cultures and in the oral and recorded history of all civilisations. Music plays important roles in the social, cultural, aesthetic and spiritual lives of people. At an individual level, music is a medium of personal expression. It enables the sharing of ideas, feelings and experiences. The nature of musical study also allows students to develop their capacity to manage their own learning, engage in problem solving, work collaboratively and engage in activity that reflects the real world practice of performers, composers and audiences.

What will students learn about?

In both the Mandatory and Elective courses, students will study the concepts of music (duration, pitch, dynamics and expressive techniques, tone colour, texture and structure) through the learning experiences of performing, composing and listening, within the context of a range of styles, periods and genres.

The Mandatory course studies a broad range of musical contexts, including an exposure to art music and music that represents the diversity of Australian culture. The Elective course requires the study of the compulsory topic Australian Music, as well as a number of optional topics that represent a broad range of musical styles, periods and genres.

Pop Rocks World Music Exploration

Music for Large Ensembles Creative Covers

Musical Theatre

20th Century Art Music

Jazz Australian Music

Protest Music

Film Music

What will students learn to do?

In Music, students learn to perform music in a range of musical contexts, compose music that represents the topics they have studied and listen with discrimination, meaning and appreciation to a broad range of musical styles.

The study of the concepts of music underpins the development of skills in performing, composing and listening.

Course Requirements

The Mandatory course is usually studied in Years 7 and/or 8. Students may not commence the Elective course until they have completed the requirements of the Mandatory course.

RoSA

Satisfactory completion of the mandatory Music course will be recorded on the student's Record of School Achievement. Satisfactory completion of 100 or 200 hours of elective study in Music during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

PDHPE (*Mandatory*)

Personal Development, Health and Physical Education (PDHPE) is a mandatory course that is studied in each of Years 7–10 with at least 300 hours to be completed by the end of Year 10. This is a requirement for eligibility for the award of a RoSA.

Course Description

“Personal Development, Health and Physical Education (PDHPE) develops the knowledge, understanding, skills and attitudes important for students to take positive action to protect and enhance their own and others' health, safety and wellbeing in varied and changing contexts. Physical education is fundamental to the acquisition of movement skills and concepts to enable students to participate in a range of physical activities – confidently, competently and creatively.” (PDHPE K-10 Syllabus, 2018, p.10)

Through PDHPE students develop values, attitudes as well as knowledge and understanding on a range of health topics. The following skills are also a major priority:

- Self management skills,
- Interpersonal skills and,
- Movement skills.

What will students learn about?

- All students study the following three content strands:
 - Health, Wellbeing and Relationships: developing the knowledge, understanding and skills important for building respectful relationships, enhancing personal strengths and exploring personal identity to promote the health, safety and wellbeing of themselves and others. (PDHPE K-10 Syllabus, 2018, p.86)
 - Movement Skill and Performance: develop confidence and competence to engage in physical activity. (PDHPE K-10 Syllabus, 2018, p.90)
 - Healthy, Safe and Active Lifestyles: develop the knowledge, understanding and skills to empower them to make healthy and safe choices and take action to promote the health and wellbeing of their communities. Students engage with a range of health issues and identify strategies to keep them healthy, safe and active. (PDHPE K-10 Syllabus, 2018, p.93)

Propositions

Syllabus content is shaped by five propositions. Students:

- Take a strengths based approach
- Value Movement
- Develop Health Literacy
- Include a Critical Inquiry Approach and,
- Focus on Educative Purposes

RoSA

Satisfactory completion of the mandatory PDHPE course will be recorded with a grade on the student's Record of School Achievement.

Course Description

Photographic and Digital Media provides opportunities for students to enjoy making and studying a range of photographic and digital media works. It enables students to represent their ideas and interests about the world, to engage in contemporary forms of communication and understand and write about their contemporary world. Photographic and Digital Media enables students to investigate new technologies, cultural identity and the evolution of photography and digital media into the 21st century.

What will students learn about?

Students learn about the pleasure and enjoyment of making different kinds of photographic and digital media works in still, interactive and moving forms. They learn to represent their ideas and interests with reference to contemporary trends and how photographers, videographers, film-makers, computer/digital and performance artists make photographic and digital media works.

Students learn about how photographic and digital media is shaped by different beliefs, values and meanings by exploring photographic and digital media artists and works from different times and places, and relationships in the artworld between the artist – artwork – world – audience. They also explore how their own lives and experiences can influence their making and critical and historical studies.

Students learn to make photographic and digital media works using a range of materials and techniques in still, interactive and moving forms, including ICT, to build a Photographic and Digital Media portfolio over time. They learn to develop their research skills, approaches to experimentation and how to make informed personal choices and judgements. They learn to record procedures and activities about their making practice in their Photographic and Digital Media journal. Students learn to investigate and respond to a wide range of photographic and digital media artists and works in making, critical and historical studies.

Students learn to interpret and explain the function of and relationships in the artworld between the artist – artwork – world – audience to make and study photographic and digital media artworks.

Students are required to produce a Photographic and Digital Media portfolio and keep a Photographic and Digital Media journal.

Course requirements

Photographic and Digital Media is an elective course that can be studied for 100 or 200 hours at any time after the completion of the Visual Arts 100-hour mandatory course.

Students are required to produce a Photographic and Digital Media portfolio and keep a Photographic and Digital Media journal.

RoSA

Satisfactory completion of 100 or 200 hours of study in Photographic and Digital Media during during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

SCIENCE (*Mandatory*)

Science is a mandatory course that is studied substantially in each of Years 7–10 with at least 400 hours to be completed by the end of Year 10. This is a requirement for eligibility for the award of a RoSA.

Course Description

Science develops students' knowledge, understanding and skills to explain and make sense of the biological, physical and technological world, enabling them to make informed choices and responsible decisions as individuals and part of the community.

What will students learn about?

Through their study of Science, students develop knowledge of scientific concepts and ideas about the living and non-living world. They gain increased understanding about the unique nature and development of scientific knowledge, the use of science and its influence on society, and the relationship between science and technology. Students actively engage individually and in teams in scientific inquiry. They use the processes of Working Scientifically to plan and conduct investigations. By identifying questions and making predictions based on scientific knowledge and drawing evidence-based conclusions from their investigations, students develop their understanding of scientific ideas and concepts, and their skills in critical thinking and problem-solving. They gain experience in making evidence-based decisions and in communicating their understanding and viewpoints.

What will students learn to do?

Students work individually and in teams in planning and conducting investigations. They analyse data and information, evaluate issues and problems, identify questions for inquiry and investigation and draw evidenced based conclusions. Through this problem solving process they develop their critical thinking skills and creativity.

Students apply and communicate their findings, understanding and viewpoints in a scientifically literate way when making informed decisions about the environment, natural and technological world.

Course Requirements

Practical experiences that emphasise hands on activities will occupy a minimum of 50% of allocated course time. All students will be required to undertake at least one research project during each of Stage 4 and Stage 5. At least one project will involve 'hands on' practical investigation. At least one Stage 5 project will be an individual task.

RoSA

Satisfactory completion of the mandatory study of Science during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

TEXTILES TECHNOLOGY (*Elective*)

Textiles Technology is an elective course that may be studied for 100 or 200 hours for a RoSA. It builds on the knowledge, skills and experiences developed in the *Technology (Mandatory) Years 7–8 Syllabus*.

Course Description

The study of Textiles Technology provides students with a broad knowledge of the properties, performance and uses of textiles in which fabrics, colouration, yarns and fibres are explored. Students examine the historical, cultural and contemporary perspectives on textile design and develop an appreciation of the factors affecting them as textile consumers. Students investigate the work of textile designers and make judgements about the appropriateness of design ideas, the selection of materials and tools and the quality of textile items. Textile projects will give students the opportunity to be creative, independent learners and to explore functional and aesthetic aspects of textiles.

What will students learn about?

Students will learn about textiles through the study of different focus areas and areas of study. The following focus areas are recognised fields of textiles that will direct the choice of student projects.

- Apparel
- Furnishings
- Costume
- Textile arts
- Non apparel.

Project work will enable students to discriminate in their choices of textiles for particular uses. The focus areas provide the context through which the three areas of study (Design, Properties and Performance of Textiles, Textiles and Society) are covered.

What will students learn to do?

By examining the work of designers, students will learn to use the creative process to design textile items. Design ideas and experiences are documented and communicated and will show evidence of each of the stages of designing, producing and evaluating. Students will learn to select, use and manipulate appropriate materials, equipment and techniques to produce quality textile projects. Students will learn to identify the properties and performance criteria of textiles by deconstructing textile items and identify the influence of historical, cultural and contemporary perspectives on textile design, construction and use. Practical Projects may include – bag, hoodie, pants/skirt, textile art piece and student choice.

RoSA

Satisfactory completion of 100 or 200 hours of study in Textiles Technology during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

VISUAL ARTS (*Elective*)

The Visual Arts Years 7–10 Syllabus contains both Mandatory and Elective courses. The Mandatory course is taught as a coherent study of 100 hours. This is a requirement for eligibility for the award of a RoSA. The Elective course can be studied for 100 or 200 hours in Stage 5 (Years 9 and 10).

Course Description

Visual Arts provides opportunities for students to enjoy the making and studying of art. It builds an understanding of the role of art in all forms of media, both in the contemporary and historical world, and enables students to represent their ideas and interests in artworks. Visual Arts enables students to become informed about, understand and write about their contemporary world.

What will students learn about?

Students learn about the pleasure and enjoyment of making different kinds of artworks in 2D, 3D and/or 4D forms. They learn to represent their ideas and interests with reference to contemporary trends and how artists' including painters, sculptors, architects, designers, photographers and ceramists, make artworks.

Students learn about how art is shaped by different beliefs, values and meanings by exploring artists and artworks from different times and places and relationships in the artworld between the artist – artwork – world – audience. They also explore how their own lives and experiences can influence their art making and critical and historical studies.

What will students learn to do?

Students learn to make artworks using a range of materials and techniques in 2D, 3D and 4D forms, including traditional and more contemporary forms, site specific works, installations, video and digital media and other ICT forms, to build a body of work over time. They learn to develop their research skills, approaches to experimentation and how to make informed personal choices and judgements. They learn to record procedures and activities about their art making practice in their Visual Arts diary.

They learn to investigate and respond to a wide range of artists and artworks in art making, critical and historical studies. They also learn to interpret and explain the function of and relationships in the art world between the artist – artwork – world – audience to make and study artworks. Year 9 students will participate in Art Camp.

Course Requirements

Students are required to produce a body of work and keep a Visual Arts diary.

RoSA

Satisfactory completion of the mandatory Visual Arts course will be recorded on the student's Record of School Achievement.

Satisfactory completion of 100 or 200 hours of elective study in Visual Arts during Stage 5 (Years 9 and 10) will be recorded with a grade on the student's Record of School Achievement.

Some useful websites

Website	Brief description
http://educationstandards.nsw.edu.au/wps/portal/nesa/home	Website of the NSW Education Standards Authority. This can be a useful reference for students and parents about HSC courses, assessment guidelines and the examinations.
http://www.shellharbouraccareers.com	The Shellharbour Anglican College Careers Website. General information regarding careers, post-school options, HSC, RoSA, Workplace Learning, Parent information and extra student information regarding careers.
www.myfuture.edu.au	Play the quiz and find out how much you know about the workplace in general. When it comes to specific careers you will find that this site will link you to some of the other sites listed here.
http://www.yourfreecareertest.com/#	This is a career aptitude test (job quiz) listing results in 13 career interests followed by 4 sub career interests. College and university programs that match your career test results. Career aptitude tests and job quizzes are useful for career interest exploration.
www.australia.gov.au	This may be strange site to start with but will find that it links to a number of interesting and helpful sites. First time you should type in "career advice" and you will find yourself with a list of links but the first one should be this site.
www.tafe.nsw.edu.au	Information on courses aimed at candidates who may leave school after completion of the Stage 5. Do a course search to determine locations, availability and prerequisites.