

**NORTHERN BEACHES SECONDARY COLLEGE**

**MANLY CAMPUS**



**Stage 5**

**Course Outlines**

**Years 9 –10**

**2019 – 2020**



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## Overview

### NSW NESA Mandatory Stage 5 Requirements

You must study the following subjects throughout Years 9 and 10:

- English
- Mathematics
- Science
- Geography
- History
- Physical Education, Health and Personal Development

At Northern Beaches Secondary College Manly Campus, students are required to also complete two 200-hour courses across Years 9 and 10 and one 100-hour course in Year 9. In Year 10, students will further develop their critical and creative thinking skills through the initiation, management and completion of an Independent Learning Project (ILP).

### Record of School Achievement (RoSA)

After completion of the Stage 5 requirements, students will be eligible for the Record of School Achievement (RoSA). The RoSA is a cumulative credential for students who leave school after completing Year 10 prior to having completed their Higher School Certificate. The RoSA replaces the School Certificate from previous years. However, the mandatory requirements for Stage 5 study remain unchanged. All Stage 5 assessment is internal and there are no external examinations in Year 10.

### Choosing Elective Courses – Key Considerations

To assist in your choice of elective courses, you need to consider the following:

- **abilities** - choose subjects which provide opportunities for you to further develop your strengths
- **interests** - choose subjects which interest you and will keep you engaged and motivated
- **career aspirations** - subjects studied in Years 9 and 10 can provide a strong foundation for further study in Years 11 and 12 and beyond.

**Stage 5 elective choices login and password will be emailed to students on Monday 20 August and are to be completed by Friday 24 August.**

**See Mr. Newcomb if your email details need updating or you require a printed copy of the elective choices form.**

# English

**Pre-requisites:** Stage 4 English

## Course Description

Students of English in Years 9 and 10 learn to read, enjoy, understand, appreciate and reflect on the English language in a variety of texts, and to write texts that are imaginative, interpretive, critical and powerful, using a range of technologies.

### Students learn about:

Students study books, films, radio, television, newspapers, and multimodal texts. These give students experience of Australian and Asian texts as well as literature from other countries and times, and insights into Aboriginal experiences and multicultural experiences in Australia.

Students also study texts that give experience of cultural heritages, popular cultures, picture books, everyday and workplace texts, and a range of social, gender and cultural perspectives. Students also experience Shakespearean drama.

### Students learn to:

Students develop their skills, knowledge and understanding so that they can use language and communicate appropriately and effectively 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. They reflect on their learning in English. Students use technology in a variety of ways to analyse and compose texts.

## Homework and study requirements

Students can expect regular homework involving:

- writing, speaking and viewing activities
- short and extended responses
- class and assessment tasks
- research tasks.

### How will student performance be assessed?

Assessment will be ongoing and varied, including formative and summative activities. Tasks may involve short or extended responses in a variety of language modes and in different forms e.g. a written response in the form of a feature article. Tasks may also be imaginative or involve interpretation or analysis of texts.

### How will this course help me in the senior years?

The study of 2 units of English is compulsory in Years 11 and 12.

**Fees:** Nil

# Geography

**Pre-requisites:** Nil

## Course Description

The course covers a number of topics:

### Topics:

- Sustainable Biomes
- Changing Places
- Environmental Change and Management
- Human Wellbeing

A study of Geography builds on students' prior learning and experience to enable them to explain patterns, evaluate consequences and contribute to the management of physical, social, cultural and built environments. Geography does this by:

- focusing objectively on the physical components of environments - this enables students to view a community as part of the wider global environment
- providing a basis for recognising and responding to the constant changes taking place in environments at local, regional, national and global scales
- providing geographical methodologies that contribute to an understanding of the world; examining the various perspectives of people in communities and the consequences of their actions on environments
- empowering students with a knowledge of civics that enables them to exercise citizenship.

### Homework and study requirements

Homework may consist of revision questions, research, analysis, understanding of current events, as well as writing reports. Students are expected to constantly revise their work so that time management and assessment task preparation become more effective.

### How will student performance be assessed?

Students will be assessed through a variety of means such as examinations, research tasks, oral presentations and report writing. Fieldwork will form an integral part of assessment.

### How will this course help me in the senior years?

The study of Geography will prove useful in senior schoolwork, particularly development of data interpreting research and writing skills for Social Sciences courses.

**Fees:** There is a fee for an excursion in Year 10 (\$30 approx.).

# History

**Pre-requisites:** Nil

## Course Description

The course covers a number of topics:

### Topics in Year 9 are:

- Making a Better World (The Industrial Revolution)
- Australians at War (World War I)
- Australians at War (World War II)

### Topics in Year 10 are:

- Conflict in Asia
- Rights and Freedoms
- Decade Study

Students develop a variety of historical skills including the comprehension of historical texts, the use of historical terms and concepts, and the understanding of the relationship between different events. They also engage with different types of sources, analysing their reliability and synthesising them to support an historical argument. Focus is given to increasing the understanding that historians' perspectives and interpretations of events can differ, and to encouraging empathetic approaches to learning about the past.

Students acquire skills in research such as asking relevant questions about the past, planning historical investigations and locating information from a variety of sources. Emphasis is placed on communication skills by developing students' ability to communicate effectively in written, oral and digital forms, and to formulate effective historical arguments.

## Homework and study requirements

Homework may consist of note summaries, revision questions, research, source analysis and historical writing. Students are expected to constantly revise their work so that time management and assessment task preparation become more effective.

## How will student performance be assessed?

Students will be assessed through a variety of means such as examinations, research tasks, oral presentations and essay writing. A site study will form an integral part of assessment.

## How will this course help me in the senior years?

The course continues to consolidate historical interpretation and writing skills as well as study habits necessary for successful senior HSC History study.

**Fees:** There is a fee for an excursion in Year 10 (\$30 approx.).

## Independent Learning Project (ILP)

### Course Description

This course will see students work independently on passion-based projects, categorised into entrepreneurial, design, research, subject specific and art. Throughout the project, students will have the opportunity to work with teachers, peers and external experts to achieve a high quality product which is showcased at the end of the third term to a public audience. Each project is broken into three cycles of learning - Discover, Create and Share.

### Students learn about:

- creativity
- critical thinking
- self-directed learning
- time management and organisation
- reflective thinking.

### Students learn to:

- manage time
- prioritise tasks
- think creatively and critically
- be self-directed learners
- develop a higher order question and provide a solution to it
- modify and change initial ideas
- research in an in-depth and effective manner
- produce a high-quality end product.

### How will this course help me in the senior years?

The project management skills learnt during this course will help students who elect to study subjects that require the completion of major works in the senior years. The strong focus on self-reflection will help students with their study of English in years 11 and 12. The development of time-management and organisation skills, as well as critical and creative thinking, will support students' learning throughout their studies in all subjects during the senior years and the HSC.

### How will student performance be assessed?

Students will be assessed formatively throughout the course with regular progress updates and journal documentation, as well as with an end of course presentation of learning. Students will need to have demonstrated significant effort the course and have proven an understanding of high-order, critical thinking and inquiry question development. The end-of-course presentation will consist of an exhibition of work presented to family and other students, highlighting the students' unique response and creation of a product in response to their chosen inquiry question. The students will finally complete a task reflection in which they analyse their process in completing the project.

**Fees:** Nil



# Mathematics

**Pre-requisites:** Stage 4 Mathematics

## Course Description

The study of Mathematics provides opportunities for students to appreciate the elegance and power of mathematical reasoning and to apply mathematical understanding creatively and efficiently. The study of the subject enables students to develop a positive self-concept as learners of Mathematics, obtain enjoyment from Mathematics, and become self-motivated learners through inquiry and active participation in challenging and engaging experiences.

Stage 5 is designed to develop skills, understanding and the capacity to work mathematically in the strands of:

- Number and Algebra
- Measurement and Geometry
- Statistics and Probability

All students are expected to complete Stage 5.2 and at least part of Stage 5.3 by the end of Year 10. Students successfully completing this standard are eligible to enrol in the Mathematics Standard Preliminary Course. Students who successfully complete the Stage 5.3 Mathematics program are eligible to enrol in both Mathematics Advanced and Mathematics Extension 1 Preliminary courses (Stage 6).

Students who demonstrate outstanding talent in their studies in Mathematics are given the opportunity to develop their talent through a special program of acceleration. It is expected that these students will study Mathematics at the highest level, Mathematics Extension 2, when they sit the HSC.

## Students learn to:

- solve problems in unfamiliar situations
- analyse and evaluate more complex situations
- apply their mathematical abilities to the world around them
- enjoy the challenge of interpreting situations related to everyday activities.

## Homework and study requirements

**Homework:** Students are expected to spend approximately 30 minutes each school night on their study of Mathematics. This time would cover such activities as consolidation and/or extension exercises and relevant research assignments.

**Summaries:** In addition to ongoing homework, students should maintain a summary of the main concepts of the syllabus, the main formulae and a selection of questions which each student considers tests the main skills and understandings of a given topic.

Students in the accelerated program are expected to spend a slightly longer time on each of the above.

## How will student performance be assessed?

**Common tests:** These constitute part of the formal reporting elements of the assessment program. Students in Year 9 will complete these on three occasions during the year. Year 10 students will have two semester based tests. Students will receive notification in sufficient time prior to the test to allow for comprehensive revision and preparation.

Students in Year 10 will undertake a mathematical investigation, which will include a presentation of the results and analysis. This will also constitute part of the formal reporting elements of the assessment program.

## How will this course help me in the senior years?

The course is a solid foundation for the study of all senior Mathematics courses.

**Fees:** Nil

# Personal Development, Health and Physical Education

**Pre-requisites:** Nil

## Course Description

The Year 9 and 10 content strands act as the major organisers for the course content. They are:

- Health, Wellbeing and Relationships
- Healthy, Safe and Active Lifestyles
- Movement Skill and Performance

### Students learn about:

A range of health and physical activity concepts including respectful relationships; personal identity to promote health, safety and wellbeing of themselves and others; physical activity, nutrition, mental health and wellbeing, sexuality and sexual health, safety alcohol and other drugs.

### Students learn to:

Develop skills and strategies to manage their own and others health; enhance personal strengths; manage change; challenge power, abuse, violence and how to protect themselves and others; make healthy and safe choices; take action to promote the health, safety and wellbeing of their communities; interpersonal skills and skills to support them to enhance performance and participation in a lifetime of physical activity.

### How will student performance be assessed?

Assessment for Learning, Assessment as Learning and Assessment of Learning approaches that align to the outcomes will be used to measure the expected learning of students. These will include Individual Outcomes based assignments; Peer Assessment, Self-Assessment; Teacher Observations; Student Work Samples and Rubrics.

### Other Requirements

Students are required to:

- wear correct school PDHPE uniform for practical classes
- complete regular homework tasks as set by their teacher
- bring a work book or BYOD for the theoretical component of the PDHPE course.

### How will this course help me in senior years?

The PDHPE content strands provide the opportunity for young people to explore issues that are likely to impact on the health and wellbeing of themselves and others, now and in the future. PDHPE is a mandatory subject in Stage 5.

**Fees:** Nil

# Science

## **Pre-requisites:** Stage 4 Science

The study of Science enables students to develop a positive self-concept as learners and gain confidence in and enjoyment from their learning. Through active participation in challenging and engaging experiences they become self-motivated, independent learners. Their understanding of science and its social and cultural contexts provides a basis for students to make reasoned evidence-based choices and ethical decisions, and to engage in finding innovative solutions to science-related issues, including sustainable futures.

## **Course Description**

Science develops students' knowledge, understanding and skills to explain and make sense of the living, chemical, earth and space, physical and technological world, enabling them to make informed choices and responsible decisions as individuals and part of the community. Experimental design and practical skills are integral throughout each of these areas.

## **Students learn about:**

Through their study of Science, students develop a knowledge and understanding about the living and non-living world. Students examine the historical and ongoing contribution of scientists and the implications of this research on scientific knowledge, society, technology and the environment.

In Year 9 all students will study Atoms, Materials and Chemical Reactions, Health and Disease, Heat, Light and Sound, Electromagnetic Radiation, Body Coordination, Energy in Ecosystems, Electricity and team Experimental Design and Method.

In Year 10 all students will study Chemical Reactions, Genetics and Evolution, Physics of Motion and Radioactivity, Earth and Plate Tectonics, the Universe, Experimental Design and complete an Individual Research Project and first hand investigation of their choice.

## **Students learn to:**

Students work individually and in teams to plan and conduct investigations. They evaluate issues and problems, identify questions for inquiry and draw evidenced-based conclusions from their investigations. Through this problem-solving process, they develop their critical thinking skills and creativity. They are provided with experiences in making informed decisions about the environment, the natural and technological world and in communicating their knowledge and understanding and viewpoints.

## **Homework and study requirements**

Homework will be set on a regular basis by individual teachers. Students are expected to read and revise each night in addition to preparation for tests and completion of set first-hand investigation and assignment work. All students have electronic copies of the textbook from which to study, revise and answer questions.

## **How will student performance be assessed?**

In Year 9, a major assignment will be set in each term. These are in the form of a research task, visual and/or oral presentations, and a team or group experiment design and report. There are also topic tests at the end of each topic. In Year 10, assessment involves a research assignment, topic tests, individual design, carrying out and reporting on a first-hand investigation of their choice and a Yearly examination.

Ongoing assessment for and as learning occurs throughout all of Stage 5 Science.

## **Other Requirements:** Footwear and safety in Science Laboratories

Students are reminded to comply with the school uniform policy. Thongs, open-type sandals or shoes are NOT permitted for safety reasons. The Department of Education regulations require students to wear shoes with strong LEATHER uppers and strong LEATHER OR COMPOSITION soles. Students must follow all laboratory safety rules for practical work in Science.

**Fees:** Materials for first hand investigations \$10.

**STAGE 5 200 hour  
(Years 9 and 10)  
ELECTIVE courses**

# Commerce

**Pre-requisites:** Nil

## Course Description

Commerce provides the knowledge, skills, understanding and values that form the foundation on which young people make sound decisions on consumer, financial, business, legal and employment issues.

### Topics covered include:

- Consumer Choice
- Promoting and Selling
- Running a Business
- Employment Issues
- Our Economy
- Law and Society
- Political Involvement
- Personal Finance
- Investing

Central to the course is the development of an understanding of the relationships between consumers, businesses and governments in the overall economy and making students more informed citizens. Through their investigation of these relationships, students develop the capacity to apply problem-solving strategies which incorporate the skills of analysis and evaluation, while undertaking research and working collaboratively in groups. Students engage in the learning process which promotes critical thinking, reflective learning and the opportunity to participate in the community.

### Homework and study requirements

Students can expect homework consisting of revision questions, research, analysis, understanding of current events and writing reports. Students are expected to constantly revise their work so that time management and assessment preparation become more effective.

### How will student performance be assessed?

Students will be assessed through a variety of means such as group projects, research tasks, oral presentations, report writing and the use of computer technologies.

### How will this course help me in the senior years?

Students who study Commerce will have a sound foundation of skills and knowledge applicable to Economics, Business Studies and Legal Studies in the senior school.

**Fees:** There is a fee for an incursion in Year 10 (\$25 approx.)

# Dance

There is no prerequisite for this course.

## Course Description

In this course, students study dance as an art form, involving the development of physical skills as well as aesthetic, artistic and cultural understanding.

The course focuses on the 3 interrelated components of performance, composition and appreciation.

Students develop the ability to express themselves through dance, devise their own compositions, understand anatomy and physiology, and appreciate the significance of dance to a range of social and historical contexts.

The study of dance supports the physical, creative and intellectual development of all students. This course caters for students with and without previous dance experience.

## Students learn to:

- perform a range of dance skills
- describe and analyse dance performance
- explore and use a range of stimuli to create movement
- develop, structure, and reflect on their own compositions.

## Students learn about:

- safe dance practice and dance technique
- the elements of dance - space, time and dynamics - as the tools of dance composition
- dance as a form of communication
- a variety of dance styles and their cultural and historical origins
- the significance of dance as an artform
- the broader context of dance in Australia.

## Homework and study requirements

- dance journal
- performance practice
- research and writing tasks.

## How will student performance be assessed?

Individual and group performances, reflective journal tasks, research and analytical tasks, and dance compositions.

## How will this course help me in the senior years?

Students will develop their self-confidence, capacity for reflection, communication skills and creativity and imagination, vital skills for any further study. It is recommended that students interested in studying Dance in Years 11 and 12 complete the Stage 5 course.

**Fees:** There is a fee for an excursion to a Sydney Dance Company performance (\$60 approx.).

# Design and Technology

**Pre-requisites:** Nil

## Course Description

Design and Technology is all about harnessing your creativity and applying it to a range of contexts to produce individual projects. In Design and Technology projects are based on concepts, to which each student develops their own unique designs or solutions.

This course is for students interested in the area of design and the creative use of a range of materials and techniques to make a range of products from textiles, jewellery, timber, acrylic (plastic), polymer clay and other prototyping materials such as high density foam and balsa.

Students will become well versed in the application of the 3D printer, laser cutter/engraver and computer controlled router to designing and making products. Developing skills in Computer Aided Drawing (CAD) and modeling, and an understanding of the role of Computer Aided Manufacturing (CAM) in this production process are integral to this course and will be part of the learning experience. This course follows the design process to define a design need, generate a range of ideas and produce creative solutions for the individual projects. Students will document and communicate their design ideas and experiences.

## Students learn about:

- factors affecting industrial designers and their work
- a typical CAD/CAM workflow
- different types of software for drawing, setting up and using (CAM) machinery
- the application of design elements to design projects
- the design process appropriate to selection of materials
- drawing conventions.

## Students learn to:

- apply a range of creative thinking strategies to generate ideas for design projects
- use CAD to develop a range of 2D and 3D drawings
- use software to prepare CAD drawings for the CAM production process
- integrate components generated on computer controlled machinery into projects
- use a range of hand and machine tools safely in the development of their projects.

## How will student performance be assessed?

Practical projects, supporting documentation, research assignments/homework.

## How will this course help me in the senior years?

Having studied Design & Technology in Years 9 and 10 is a definite advantage if you are considering a Design and Technology in Years 11 and 12 or a career in a design field.

Feedback from tertiary educators indicates that the skills developed in 2D and 3D CAD are fundamental in developing an ability to visualise and explain three-dimensional concepts, a skill that is basic to many research and creative fields.

## Other Requirements: Footwear and safety

Students are reminded to comply with the school uniform policy. Thongs, open-type sandals or shoes are NOT permitted for safety reasons. The Department of Education regulations require students to wear shoes with strong LEATHER uppers and strong LEATHER OR COMPOSITION soles. Students must follow all workshop safety rules for practical work in Design & Technology.

**Fees:** \$80 each year. In addition students may be required to purchase some materials to suit their design projects.

# Drama

**Pre-requisites:** Nil

## Course Description

Drama encourages a co-operative approach to exploring the world through enactment. The collaborative nature of this art-form engages students in a creative process of sharing, developing and expressing emotions and ideas. It is a form of action in which students take on a role as a means of exploring both familiar and unfamiliar aspects of their world. They portray aspects of human experience while exploring the ways people react and respond to different situations, issues and ideas.

## Students learn to:

- improvise
- characterise
- build dramatic skills (focus, timing, tension, rhythm)
- perform scripted drama.

## Students learn about:

- drama in Australian and other cultures
- a variety of dramatic forms (mime, commedia dell'arte, street theatre etc.)
- the role of various people associated with the theatre
- the actor-audience relationship.

## Homework and study requirements

- process log
- performance practice
- research into theatrical styles.

## How will student performance be assessed?

Process log books, individual and group performances and research tasks.

## How will this course help me in the senior years?

While it is not a pre-requisite, it is advisable that students interested in studying Drama for the Higher School Certificate complete the Stage 5 course.

**Fees:** \$30 each year.



# Engineering Technology

There are no prerequisites for this course.

## Course Description

The Engineering focus area of Industrial Technology provides opportunities for students to gain practical experience in and investigate the concepts used in Engineering disciplines, especially disciplines that are current growth areas in Engineering.

Engineering Technology gives students the opportunity to solve problems in the areas of structures, mechanisms, control systems (electronics) and renewable energy.

## Students learn about:

- why different materials have different properties
- the principles of electronics, hydraulics and pneumatics
- definitions and functions of corrosion and friction
- how do solar, wind, geothermal, wave and human power work?

## Students learn to:

- use CAD software to draw up plans and to generate designs for CAM (Computer Assisted Machining)
- design, make and race mouse trap powered vehicles
- build electronic control circuits around a working product/s
- use a 3D printer to create project components
- use simulation software to investigate control system behaviour
- design and build simple machines powered by alternative energy
- build a tower from spaghetti to hold a 500g weight.

## Assessment

The syllabus stipulates that skill development through practical experiences occupy the majority of class time. This will be reflected in assessment which includes practical and research assignments, homework and tests.

## How will this course help me in the senior years?

Having studied Engineering Technology in Years 9 and 10 is a definite advantage if you are considering Design and Technology or Engineering Studies in Years 11 and 12 (Engineering Studies deals with the analytical techniques and concepts studied in Engineering disciplines at University).

## Other Requirements: Footwear and safety

Students are reminded to comply with the school uniform policy. Thongs, open-type sandals or shoes are NOT permitted for safety reasons. The Department of Education regulations require students to wear shoes with strong LEATHER uppers and strong LEATHER OR COMPOSITION soles. Students must follow all workshop safety rules for practical work in Engineering Technology.

**Fee:** \$80 each year.

## Geography (ELECTIVE)

**Pre-requisites:** Nil

### Course Description

The Geography (Elective) course provides students with the opportunity for additional learning through engagement with World Geography content. It provides students with a broader understanding of the world beyond Australia through a study of countries and cultures, the processes of geographical inquiry and depth studies. These areas include:

- **Oceanography** - who owns the seas? How ocean borders are determined and the impacts this has
- **The Hungry Planet** - how food production and usage affects the world
- **The Trans-Siberian Railway** - factors causing variation in spatial patterns across Asia
- **World Politics** - the nature and distribution of political tensions and strategies towards effective resolutions
- **The Asia-Pacific Region** - human rights and citizenship issues in the region.

Each focus area will be heavily linked to Location Geography.

Students will develop skills in acquiring, processing and communicating world geographical information, as well as choosing and applying appropriate geographical tools. They will also develop knowledge of environments and understanding about how people and countries around the world modify, and are affected by, these environments. Coupled with this is the knowledge and understanding about how physical, social, cultural, economic and political factors shape countries and the global community. Students will study these aspects in a variety of countries around the world.

### Homework and study requirements

Students can expect homework consisting of revision questions, research, analysis, understanding of current events and writing reports. Students are expected to constantly revise their work so that time management and assessment preparation become more effective.

### How will my performance be assessed?

Tasks are varied to allow for different learning styles. These include research tasks, oral presentations, report writing, use of computer technologies and fieldwork.

### How will this course help me in the senior years?

The course introduces and entrenches the geographical skills and knowledge useful for integration into Senior Geography and other Social Science courses, in particular research and writing skills.

**Fees:** There is a fee for an incursion (\$35 approx.).

## History (ELECTIVE)

**Pre-requisites:** Nil

### Course Description

Students undertake a variety of topics that develop a range of skills. Student preferences for particular options are taken into account in choosing specific topics.

**Students learn about:**

**In Year 9 topics may include aspects of:**

- Roman History
- Ancient Civilisations
- Medieval History
- French Revolution
- Heresy and Witchcraft
- History of Medicine
- Film as History
- Mutiny on the Bounty

**In Year 10 topics may include:**

- 20th Century Terrorism
- Exploiting Africa –Slave Trade and Colonisation
- US Civil War
- The Tudors
- Bronze Age Greece
- Alexander the Great
- Hoover and the FBI

Students will undertake a variety of tasks including research, note taking, essay writing, and analysis of visual texts, such as films and documentaries. There are a number of opportunities for students to choose their own direction and be creative in their approach.

The use of ICT is integrated into all topics. Students learn to empathise, use historical terms and concepts, explain different perspectives, and cooperate in group investigations.

### Homework and study requirements

Homework may include revision questions, research, source analysis and essay practice. Students are expected to constantly revise their work so that time management and assessment preparation become more effective.

### How will student performance be assessed?

Tasks are varied and allow for different learning styles. These may include essay writing, oral presentations and research tasks.

### How will this course help me in the senior years?

While not a prerequisite for Senior History, this course will further develop the historical and analytical skills that are invaluable to the study of Ancient History, Modern History and History Extension.

**Fees:** Nil

# Information and Software Technology

There are no prerequisites for this course.

## Course Description

Tomorrow's graduates will require highly developed levels of digital literacy and computational thinking. The development of an informed awareness of the capacities, scope, limitations and implications of hardware and software systems is fundamental to today's students.

The study of Information and Software Technology assists students to develop the knowledge, understanding and skills to solve problems in real life contexts. Through experiential and collaborative tasks, students engage in processes of analysing, designing, producing, testing, documenting, implementing and evaluating information and software technology based solutions.

The majority of the course work in I&ST is presented through projects, which allows individual responses and encourage responsibility for learning. In Year 10, we intend to integrate the course work into an alternate reality game design project.

## Students learn about:

- the Internet and website development
- robotics and automated systems
- digital media that is fit for purpose, i.e. 3D printing
- software development and programming
- authoring and multimedia; creating virtual tours or virtual world
- documentation methods and structures
- network security
- artificial intelligence.

## Students learn to:

- manage computer hardware and software
- design, produce and evaluate a website for a given purpose
- develop and design a robotic or automated product that incorporate 3D printed components
- work with existing code to identify data types and control structures, leading to the development of algorithm descriptions
- develop programming skills to create a software game, virtual tour or virtual world
- manage projects and document their development process.

## How will student performance be assessed?

Practical assignments, classwork, homework in the form of a research task

## How will this course help me in the senior years?

Having studied Information and Software Technology in Years 9 and 10 is a definite advantage if you are considering Software Design and Development or Design and Technology in Years 11 and 12. Information and Communication skills are an integral part of all senior syllabi and as a result of studying this course, students will be better equipped to make appropriate use of, and informed choices about, information technology and software.

**Fees:** \$20 each year.

## Languages – French, Japanese

### Pre-requisites:

Students choosing French or Japanese must have studied the target language in Year 8. Special consideration may be given to students who wish to study both languages in Year 9 and 10.

### Course Description

The Year 9 and 10 course gives students the opportunity to further their study of French or Japanese. All language courses are designed to encourage students to become more effective communicators in a range of everyday situations. Through the study of a language, students will develop their intellectual ability, as well as their understanding of the world and their place in it. In addition, students who study a language develop a greater understanding of their own language, increasing communicative ability and literacy skills in English.

### Course Objectives

**Interacting** - exchanging information, ideas and opinions, and socialising, planning and negotiating

**Accessing and responding** - obtaining, processing and responding to information through a range of spoken, written, digital and/or multimodal texts

**Composing** - creating spoken, written, bilingual, digital and/or multimodal texts

**Systems of language** - understanding the language system including sound, writing, grammar, text structure; and how language changes over time and place

**The role of language and culture** - understanding and reflecting on the role of language and culture in the exchange of meaning, and considering how interaction shapes communication and identity.

### Topics for study may include:

- Food & Drink
- School life
- Leisure & Sport
- Holidays & Travel
- Health
- Clothing
- Friends
- Going out
- Describing people
- Home life

### How will student performance be assessed?

Each assessment task focuses on specific course outcomes. A mix of tests and assignment work, including production of a short film as Project Based Learning, will be used to assess students' level of achievement in communicating in, and understanding the language they study. At the end of Year 10 a grade that reflects NESA Course Performance Descriptors will be determined from the students' overall achievement.

### Other

Students of languages may have the opportunity to travel to countries where the target language is spoken through exchange programs, and/or school trips.

### How will this course help me in the senior years?

Students who study a language in Year 9 and 10 have the opportunity to continue with their language study for the Higher School Certificate. Study of a language can then be combined with any area of study at the tertiary level to increase a student's educational and employment opportunities.

**Fees:** French \$85 in Year 9 and \$40 in Year 10. Japanese \$70 each year. Fees include student workbooks and access to Language Perfect online. In addition there may be additional costs for excursions and competitions.

# Music

## Course Description

Music is an elective subject that is offered as a 200 hour course over Years 9 and 10. The course is built sequentially from the mandatory course and is designed for students who wish to extend their musical learning and performance, composition and listening skills. They will study the compulsory topic, Australian Music, a number of additional topics including Music of another Culture, Baroque, Classical, Jazz Music, Theatre Music and Music for small and large ensembles. Students will work individually and in groups throughout the course.

### Students learn about:

- recognising the use of musical concepts in a range of repertoire characteristic of the topics studied
- understanding how the musical concepts are used and manipulated
- understanding and interpreting the impact of technology on musical styles, periods and genres and various forms of musical notation
- improvising and arranging music in various styles, periods and genres
- creating compositions both individually and in groups characteristic of the topics studied
- notating compositions using various forms of traditional and non-traditional notation and technologies
- analysing and comparing music of various styles, periods and genres characteristic of the topics studied
- identifying and discriminating between ways in which musical concepts have been used and manipulated
- interpreting and analysing a broad range of repertoire characteristic of the topics studied.

### Students learn to:

- perform individually and in groups a range of repertoire and styles characteristic of the topics studied
- perform musical compositions and arrangements both individually and in groups characteristic of the topics studied
- perform and interpret music from a range of styles that use various forms of musical notation and technologies
- improvise and arrange both individually and in groups in the styles of the topics studied
- improvise and compose musical ideas both individually and in groups characteristic of the topics studied
- notate compositional work using a range of notational forms and technologies
- listen to, analyse and compare a range of repertoire characteristic of the topics studied
- identify, compare and discriminate between ways in which musical concepts have been used and manipulated in a broad range of repertoire
- interpret the range of repertoire used for listening and analysis.

### Homework and study requirements

Each student is expected to have private tuition on their chosen instrument. They are also expected to practice regularly. Students will be required to complete homework and assessment tasks.

### How will student performance be assessed?

Assessment tasks will include the following learning experiences – Performance (students will perform music related to the course topics), Composition (students will develop Compositional skills by composing music related to the course topics) and Listening (all music studied will relate to the course topics).

### How will this course help me in the senior years?

The knowledge, understanding and skills gained in the course provide a firm foundation for the study of Music 2 in Stage 6 and those wanting to select Music in the senior years should be taking this course.

**Fees:** \$40 each year.

## Physical Activity and Sport Studies (200 hour)

**Pre-requisites:** Nil

**Course Description:**

This course enhances students' capacity to participate affectively in physical activity and sport, leading to improved quality of life for themselves and others. Students are introduced to valuable and marketable skills in organisation, enterprise, leadership and communication. The Course promotes learning through a strong focus on movement challenging students beyond what is offered in PD/H/PE. Students are provided with the opportunity to investigate civic responsibility and ethics as they relate to a range of physical activity and sport issues.

**Students learn about:**

The content is organised in modules within the following three areas of study:

- foundations of physical activity
- physical activity and sport in society
- enhancing participation and performance.

**Students learn to:**

- work collaboratively with others to enhance participation, enjoyment and performance in physical activity and leisure activities that are different from what is currently offered in the mandatory PD/H/PE course
- display management and planning skills to achieve personal and group goals in physical activity and sport
- perform movement skills with increasing proficiency
- analyse and appraise information, opinions and observations to make informed physical activity and sport decisions.

**How will student performance be assessed?**

50% Practical - may include log books, peer assessment and self-assessment tasks.

50% Theory - includes individual and group work, class projects and tests.

**How will this course help me in the senior years?**

Physical Activity and Sport Studies provides a further basis that is built on in the Senior PD/H/PE elective. The course provides opportunity for students to develop skills that would prove advantageous in many career options such as teaching, sports science, injury rehabilitation and event management.

**Fees:** \$100. Additional costs may be required according to student sport and recreation choices as part of the practical component.

\*Also offered as a 100 hour course

## Textiles Technology

There are no prerequisites for this course

### Course Description

A study of Textiles Technology provides students with broad knowledge of the properties and performance and uses of textiles. Completion of practical projects is integral to developing skills and confidence in the manipulation and use of a range of textile materials, equipment and techniques. Project work that includes investigation and experimentation will enable students to discriminate in their choices of textiles for particular uses. Students will document and communicate their design ideas and experiences and make use of contemporary technology in their project work. Project work forms the basis of every unit of work.

### Students learn about:

- sources of design inspiration, generating and developing design ideas and the use of commercial patterns or simple pattern production
- the practice of textile designers
- The methods of applying colour and decoration such as dyeing, beading, printing, appliqué, quilting and embroidery
- the unique properties of a range of textiles and the ways in which they perform
- textile innovations
- historical periods, technological advances and social events that have impacted on the development of textiles
- the use of textiles as an expressive and functional medium in different cultures.

### Students learn to:

- design, produce and evaluate textile items from the following focus areas – apparel, costume, furnishing and textile arts
- deconstruct textile items to gain a broad understanding of how textile items are constructed
- create a range of textile items that make use of innovation in a creative way / garment construction techniques
- use multimedia applications to communicate design work.

### How will student performance be assessed?

Practical projects, Supporting Documentation, Assignments and Experiments

### How will this course help me in Senior Years?

Having studied Textiles Technology in Years 9 and 10 is a definite advantage if you are considering Textiles and Design in Years 11 and 12. Textiles Technology will contribute to the overall education of students by enabling them to confidently use a range of technologies and create an awareness of related career pathways and leisure pursuits. The course encourages students to be proactive, competent, creative, responsible and reflective learners able to take part in further study, work or training.

**Fees:** \$80 each year. In addition students are required to purchase fabrics, patterns and other materials to suit their design projects.



# Visual Arts

## Course Description

Visual Arts is an elective subject that is offered as a 200-hour course over Years 9 and 10. The course seeks to further develop skills learnt in Years 7 and 8 and extend the range of experiences across a diverse range of forms. Visual Arts provides opportunities for students to enjoy the making and studying of art.

### Students learn about:

- the pleasure and enjoyment of making different kinds of artworks in 2D, 3D and/or 4D forms
- how art is shaped by exploring artists and artworks from different times and places.

### Students learn to:

- make artworks using a range of materials and techniques including:
  - 2 dimensional forms (e.g. drawing, painting, photography, digital media)
  - 3 dimensional forms (e.g. sculpture, installation)
  - 4 dimensional forms (e.g. video, digital animation)
- explore diverse subject matter, concepts and issues and produce a body of work
- explore possibilities of digital media using computer programs such as Adobe Photoshop, Illustrator and InDesign and use of a graphics tablet
- record procedures and activities about their artmaking practice in their Visual Arts diary
- investigate and respond to a wide range of artists and artworks in artmaking, critical and historical studies.

### Students produce a range of artworks including:

#### Year 9

- **“Growth and Decay”** - exploration of theme through creating a series of self-portraits over time using a range of materials and styles
- **Bundanon Art Camp**; investigation of the landscape through artist led workshops in drawing, landscape painting, environmental sculpture, mixed media and photography
- **“Metamorphosis”** - developing a body of work through creating 2D series of artworks
- **Sculpture** - creating 3D forms using a range of materials, techniques and styles.

#### Year 10

- **Still Life** - exploration of digital SLR photography through learning about the camera and producing a series of prints exploring traditional, modern and contemporary setups
- **“Objects as Symbols”** - developing a body of work using own choice of media and style – 2D, 3D or 4D forms.

### How will student performance be assessed?

Students will be assessed on artmaking activities, which will include documenting work in the Visual Arts diary and progressively working on practical tasks and body of works. Students will also be required to complete critical/ historical research tasks.

### How will this course help me in the senior years?

The study of Visual Arts provides the foundation for study of Visual Arts in Years 11 and 12. The development of skills in this subject will be beneficial when producing Body of Works for the Higher School Certificate in Visual Arts.

**Fees:** \$100 each year. In addition, there is a fee for the Bundanon Art Camp in Year 9 (approximate cost \$400).

**STAGE 5 100 hour  
(Year 9 only)  
ELECTIVE courses**

# Architecture and Graphic Design

There are no prerequisites for this course.

## Course Description

This course gives students a valuable introduction to the graphical language and techniques that are used in virtually every design oriented profession - e.g. Industrial Design, Graphic Design, Engineering disciplines, Architecture and Surveying. In this course, the areas of Architectural Drawing and Graphic Design/Desktop Publishing are studied.

Reflecting the professional environment, we use computers and a range of industry standard graphics and CAD applications to create and modify digital images, computer based animation and rendered 3D models. Sketching is promoted as an important skill to develop and communicate ideas.

This course is delivered through a project based approach, which encourages students to develop individual solutions to the real world challenges presented. Students have the opportunity to complete this course with a published work, such as the annual school magazine, *The Pines*.

## Students learn about:

- designing effective and workable house layouts
- effective page design and layout
- understanding and using type effectively
- design principles and sketching techniques
- drawing plans to Australian professional standards.

## Students learn to:

- design layouts, for example *The Pines* magazine
- work collaboratively in small groups
- draw house plans and 3 dimensional architectural models
- use CAD software such as AutoCAD Architecture to generate 2D and 3D images, including textures, lighting and shadows and photo-realistic rendering
- use graphics software such as Photoshop, InDesign and Illustrator to produce finished artwork such as product design, logos or packaging
- manage design and production, for example *The Pines* magazine.

## How will this course help me in the senior years?

Having studied this subject in Years 9 and 10 is also a definite advantage if you are considering Engineering Studies in Years 11 and 12 (Engineering Studies deals with the concepts and analytical techniques studied in Engineering disciplines at University).

Feedback from tertiary educators indicates that the skills developed in Graphics Technology are fundamental in developing an ability to visualise and explain three-dimensional concepts, a skill that is basic to many research and creative fields.

## How will student performance be assessed?

Class projects

**Fees:** \$20.

## Behind the Scenes

There are no prerequisites for this course.

### Course Description

In this course, students develop an understanding of the technical requirements of live event production. Students study the equipment and processes used in audio, lighting, vision and set design and learn safe rigging and set construction techniques, then use this knowledge to plan and produce their own live events. A large portion of class time will be allotted to the planning, design, management and production of student-led projects, ranging from small sound and lighting solutions to events such as the school musical, discos, assemblies, faculty displays and presentations, in which students are expected to take part.

### Students learn about:

- lighting, vision, audio, rigging and set construction equipment, including its properties, purpose and safe and correct use
- the principles of production management
- the roles and responsibilities of various production personnel in the entertainment industry
- workplace procedures and practices within the entertainment industry.

### Students learn to:

- design, set and program theatrical lighting
- use audio equipment successfully in different environments
- manage hazards and risks in the workplace
- design and construct set pieces using a variety of materials
- use a range of hand tools and power tools in set construction and rigging
- manage and evaluate the production process, including time, resources and personnel.

### How will student performance be assessed?

The majority of the assessment for this course will be integrated into the student-led projects in the form of research assignments, documentation and evaluation of the production process and the quality of the productions themselves. Smaller assessments such as equipment knowledge tests and demonstrations will also contribute to the students' assessment mark.

### How will this course help me in the future?

This course draws heavily on the content covered in the Entertainment Industry course, which can be undertaken in Years 11-12 and/or as a Certificate III in Live Production and Services. It provides a basis for further study and experience in technical production, which can be undertaken at high school, TAFE or university level.

**Fees:** \$80. Students are required to pay the standard crew fees to take part in the musical production

# Food Technology

There are no prerequisites for this course.

## Course Description

This course is for students interested in historical, current and future issues relating to our food supply. Students will gain an understanding of food properties, processing and preparation, nutritional considerations and consumption patterns. There are increasing community concerns about food issues, including hygiene and safety, nutritional claims and the nutritional quality of food, genetic engineering, functional food and the environmental impact of food production processes. Students will explore food related issues through a range of practical experiences, allowing them to make informed and appropriate choices with regards to food.

## Students learn about:

- history of Australian food-the impact of technology and immigration on our food supply and the health of the individual
- the physical and chemical properties food and their function in the selection, preparation, cooking and consumption of a range of foods
- the social, ethical and health reasons for individual food choices and the impact on their health
- food sustainability and the impact on the future of our food supply
- how to effectively communicate issues pertaining to food selection.

## Students learn to:

- plan and prepare foods, which reflect the eclectic nature of Australian cuisine
- plan, prepare and present appealing food that reflects contemporary food trends
- adapt traditional recipes using new products to prepare food suitable for different needs of the individual
- use technology to communicate issues pertaining to chosen topics.

## How will student performance be assessed?

Practical food preparation, research tasks and class work.

## Practical requirements:

Container, tea towel, apron and enclosed leather shoes.

Students are reminded to comply with the school uniform policy. Thongs, open-type sandals or shoes are NOT permitted for safety reasons. The Department of Education regulations require students to wear shoes with strong LEATHER uppers and strong LEATHER OR COMPOSITION soles. Students must follow all kitchen safety rules for practical work in Food Technology.

## How will this course help me in the senior years?

Having studied Food is a definite advantage if you are considering Food Technology in Years 11 and 12. You will gain a strong understanding of nutrition and the properties of food.

**Fees:** \$150. This covers all the ingredients required for practical classes and assessment tasks.

# Historical Mysteries, Conspiracies and Scandals

**Pre-requisites:** Nil

## Course Description

*"History... is an aggregation of truths, half-truths, semi-truths, fables, myths, rumors, prejudices, personal narratives, gossip, and official prevarications. It is a canvas upon which thousands of artists throughout the ages have splashed their conceptions and interpretations of a day and an era. Some motifs are grotesque and some are magnificent." ~ Philip D. Jordan*

This course explores the appeal of historical mysteries, conspiracies and scandals to the human psyche, investigating how history is a fundamental human need in the development of self-identity and the search for meaning. The course also explores the methods of historical inquiry that enable historians to extract truth from historical myth and conspiracy.

## Key Focus Questions

1. How does history satisfy the human need for the development of self-identity and meaning?
2. How do politics and social forces shape historical narratives?
3. Can historical enquiry determine truth from fiction?

## Students learn about:

- key historical mysteries: was Vlad the Impaler the historical basis of Dracula? Was King Arthur a real historical personality? Who was Jack the Ripper? Who shot JFK? Did the legendary city of El Dorado exist? How did the Watergate scandal lead to the fall of American President Richard Nixon? Why did Edward VIII give up the throne for a woman? Who were the Knights Templar and how are they linked to the Holy Grail?
- how socio-political context shapes narrative history
- why controversial history appeals to human psychology
- how history is like detective work in its searching for clues, motives and suspects.

## Students learn to:

- identify the social, political and psychological reasons for the propagation of historical conspiracies and scandals
- distinguish between history and myth
- analyse the role of psychology in history
- apply methods of historical inquiry, including source analysis, to provide possible solutions to historical mysteries.

## How will student performance be assessed?

A variety of activities, including an essay, board game, multimedia presentation, re-enacted court case.

## How will this course help me in the senior years?

While not a prerequisite for Senior History, this course will further develop the historical and analytical skills that are invaluable to the study of Ancient History, Modern History and History Extension.

**Fees:** Nil

# International Studies

**Pre-requisites:** Nil

## Course Description

International Studies is a course for students who wish to expand their knowledge of sociology, politics, anthropology, and business, law within Australian and around the world. Students will investigate the ideas, beliefs and practices that interact to create different cultures, nations and identities.

## Key Focus Questions

1. Cultural Studies: What shapes cultures around the world and how do they differ?
2. Global Political and Economic Systems: How do different nations differ in their systems of government?
3. International Rights and Responsibilities: What are a nation's rights and responsibilities in relation to current global events?
4. The Globalisation of the World Economy: What is the impact of globalisation on the world?

## Students learn about:

- cultural studies
- political systems
- religions of the world
- international relations
- transnational corporations.

## Students learn to:

- appreciate from a variety of perspectives the complexity and diversity of cultures and the different beliefs that underpin them
- recognise and challenge stereotypes
- understand the increasing interconnectedness of different people and cultures in the contemporary world
- identify factors that promote stability and those that promote change in human societies and their cultures.

## How will student performance be assessed?

Students will undertake a series of research tasks to investigate the world around them and present these in a variety of forms including an electronic portfolio, oral presentations, travel brochures and reports.

**Fees:** Nil

# Photography and Digital Media

**Pre-requisites:** Nil

## Course Description

This is a 100-hour Year 9 elective subject and can be selected in addition to the Visual Arts 200-hour course.

It provides opportunities for students to enjoy making and studying Photography and Digital Media through the use of creative and experimental technologies and practices.

### Students learn about:

- the pleasure and enjoyment of producing photographs using traditional and contemporary forms
- how photography and digital media are shaped by different beliefs, values and meanings by exploring works from different times and places
- how artists, graphic designers and publishers use photographs in artworks.

### Students learn to:

Make photographs using a range of materials and techniques in different forms including:

- **Black and White Photography** - using a digital SLR camera and learning principles and techniques of photography including understanding of aperture, shutter speed and film speed
- **Digital Photography** - using a digital SLR camera and experimentation with manual formats, composition, lighting and editing using computer programs such as Adobe Photoshop
- **Contemporary Photography** - using series of photographs and film to create and edit a video using computer technology and programs such as Final Cut, Adobe Premiere and After Effects.

### Create a series of photographic and digital media works including:

- exploration of the theme “Shadows and Reflections” through digital black and white photography
- investigation of the city through a practical excursion to Cockatoo Island and documentation of the site through digital SLR photography
- exploration of the theme “Digital Identity” using photographs, scanned and collaged images to produce a series of digital media works
- creation of a stop-frame film using a series of digital photographs.

### How will student performance be assessed?

Assessment will include documentation of processes and experiences in a Photography journal. It will also involve producing a Photography and digital media portfolio and researching influential photographers and digital media artists.

### How will this course help me in the senior years?

The study of this course will provide students with the opportunity to make and study photography in greater depth. It will also assist in providing foundations for study of Visual Arts in Years 11 and 12, particularly in production of a body of work using photography or digital media. The development of skills in this course is beneficial for tertiary studies and careers in photography, digital media, film-making, visual arts, advertising and animation.

**Fees:** \$100.



## Physical Activity and Sport Studies (100 hour)

**Pre-requisites:** Nil

### Course Description:

This course enhances students' capacity to participate affectively in physical activity and sport, leading to improved quality of life for themselves and others. Students are introduced to valuable and marketable skills in organisation, enterprise, leadership and communication. The Course promotes learning through a strong focus on movement challenging students beyond what is offered in PD/H/PE. Students are provided with the opportunity to investigate civic responsibility and ethics as they relate to a range of physical activity and sport issues.

### Students learn about:

The content is organised in modules within the following three Areas of Study:

- foundations of physical activity
- physical activity and sport in society
- enhancing participation and performance

### Students learn to:

- work collaboratively with others to enhance participation, enjoyment and performance in physical activity and leisure activities that are different from what is currently offered in the mandatory PD/H/PE course
- display management and planning skills to achieve personal and group goals in physical activity and sport
- perform movement skills with increasing proficiency
- analyse and appraise information, opinions and observations to make informed physical activity and sport decisions.

### How will student performance be assessed?

50% Practical - may include log books, peer assessment and self-assessment tasks

50% Theory - includes individual and group work, class projects and tests.

### How will this course help me in the senior years?

Physical Activity and Sport Studies provides a further basis that is built on in the Senior PD/H/PE elective. The course provides opportunity for students to develop skills that would prove advantageous in many career options such as teaching, sports science, injury rehabilitation and event management.

**Fees:** \$80. Additional costs may also be required according to student sport and recreation choices as part of the practical component.

\*Also offered as a 200 hour course

## Praxis iii

There are no prerequisites for this course.

### Course description

This 100-hour course will see students working on collaborative and independent projects that aim to solve real-world problems and create products for public audiences. The course consists of three projects: a teacher-designed team project; a student-designed team project; and a student-designed individual project. Each project will involve students connecting with experts and mentors from the local community, public institutions, industry and the tertiary education sector. This course will challenge students to think big about their world, and to become active agents of change; all whilst being given permission to experiment, play, and fail-forward.

### Students learn about:

- divergent and convergent thinking
- research skills, including note-taking and referencing
- the role of reflection and evaluation in refining products and solutions
- how the integration of principles, concepts, skills, and values from a range of disciplines leads to innovation
- the value of collaborative approaches to learning.

### Students learn to:

- develop higher-order questions related to identified problems or concepts
- design creative solutions to complex problems using critical and creative thinking strategies
- collaborate effectively with peers and experts
- identify real-world problems and propose solutions
- manage collaborative and independent projects by working to a deadline.

### How will this course help me in the senior years?

The project management skills learnt during this course will help students who elect to study subjects that require the completion of major works in the senior years. The strong focus on self-reflection will help students with their Independent Learning Project (ILP) in year 10, and their study of English in years 11 and 12. The development of time-management and organisation skills, as well as critical and creative thinking, will support students' learning throughout their studies in all subjects during the HSC.

### How will student performance be assessed?

Each project will be assessed either as a team or individually. Students will be assessed on their mastery of time-management and organisation, critical thinking skills, creativity and innovation, collaboration, self-reflection, and presentation skills.

**Fees:** \$50.

## Timber Technology

There are no prerequisites for this course.

### Course Description

The Timber focus area provides opportunities for students to gain skills, knowledge and understanding in relation to timber and associated industries. It is a design based, practical oriented discipline covering the focus area of timber.

### Students learn about:

- creative design that is appropriate to timber
- timber, its properties, how to use it and the tools, techniques and processes used when working with timber.
- industrial processes and production techniques
- a range of processes and techniques used in cabinet making and wood machining.

### Students learn to:

- apply design principles to the design and manufacture of various items made principally from timber; these may include furniture items, musical instruments, decorative timber products, storage and transportation products and storage and display units
- use a range of hand tools, machines and portable power tools to make projects in timber
- use a CAD program to produce 2D workshop drawings and 3D images of projects
- use CAM (Computer Aided Manufacturing) such as CNC router, laser cutter, and 3D printer to produce project components where appropriate.

### How will student performance be assessed?

The syllabus stipulates that skill development through practical experiences occupy the majority of class time. This will be reflected in assessment, which includes practical projects, folio documentation, research assignments and tests.

### Other Requirements: Footwear and safety

Students are reminded to comply with the school uniform policy. Thongs, open-type sandals or shoes are NOT permitted for safety reasons. The Department of Education regulations require students to wear shoes with strong LEATHER uppers and strong LEATHER OR COMPOSITION soles. Students must follow all workshop safety rules for practical work in Design & Technology.

### How will this course help me in the senior years?

Having studied Timber in Year 9 is a definite advantage if you are considering a timber based project in Design and Technology in Years 11 and 12.

**Fees:** \$70. In addition students may be required to purchase some materials to suit their design projects.

# Visual Design

**Pre-requisites:** Nil

## Course Description

This is a 100-hour Year 9 elective subject and can be selected in addition to the Visual Arts 200-hour course.

It provides opportunities for students to enjoy making and studying a range of visual design and photography works.

### Students learn about:

- a range of materials, techniques and practices involved in design and film
- diverse functions, purposes and meanings of two, three and four-dimensional design
- how graphic designers, computer/digital artists, illustrators and photographers / make design works.

### Students learn to:

- make visual design artworks using a range of materials and techniques in different forms including:
- two-dimensional design- graphic design, graffiti art, drawing, painting, digital media
- three / four- dimensional design - sculpture/installation, photography or stop motion film / video.

### Create visual design and film works including:

- **“hybrid design”** - making a mixed media artwork by integrating and creating designs from a number of sources including drawing, stenciling, spray painting, collage, photography, digital media
- **three-dimensional installation/film** - designing and making an environmental installation, recorded using a digital SLR camera and still photographs or a stop motion video. Students learn to use programs such as Adobe Photoshop or Premiere and document process through creating a handmade or digital art book
- **book design** - using illustration, digital media, drawing and photography. Students explore layout and design using a range of processes including traditional art making materials and the computer aided by a graphics tablet and use of programs such as Adobe Illustrator, Photoshop and InDesign
- record procedures and activities about their making practice in their Visual Design journal
- investigate and respond to a wide range of visual designers and works in making and historical studies.

### How will student performance be assessed?

Students will be required to create a series of visual designs, produce a series of photographs or a video/stop motion film, make an art book, document work in a journal and research influential designers and photographers/ film-makers.

### How will this course help me in the senior years?

The study of this course will assist in subjects that require use of digital media for major projects. It also provides foundations for study of Visual Arts in Years 11 and 12, particularly in the production of a body of work using visual design and photography.

The development of skills in this course is beneficial for tertiary studies and careers in visual arts, advertising, desktop publishing, photography, digital media, film-making, graphic, fashion and interior design.

**Fees:** \$100.

## Schedule of Stage 5 Elective Fees Year 9 - 2019

### Specialist Subject Fees

This covers the cost of non-renewable items used in Year 9 specialist courses.

If your child is undertaking any of the following courses, it will be necessary to add the cost of these courses to the other contributions.

<b>200 hour (Years 9 and 10) courses:</b>	<b>\$</b>
Design & Technology	80.00
Drama	30.00
Engineering Technology	80.00
French	85.00
Information & Software Technology	20.00
Japanese	70.00
Music	40.00
Physical Activity and Sport Studies	100.00
Textiles Technology	80.00
Visual Arts	100.00
Year 9 Bundanon Art Camp	400.00 (approx.)
<b>100 hour (Year 9 only) courses:</b>	<b>\$</b>
Architecture & Graphic Design	20.00
Behind the Scenes	80.00
Food Technology	150.00
Photography & Digital Media	100.00
Physical Activity and Sport Studies	80.00
Praxis iii	50.00
Timber Technology	70.00
Visual Design & Film	100.00