

Northmead Creative and Performing
Arts High School

**SUBJECT SELECTION
BOOKLET**

FOR

YEAR 9 STUDENTS

2019

Imagine, Endeavour, Achieve

TABLE OF CONTENTS

GENERAL INFORMATION	3
Agriculture	4
Ballet	5
Biology (Preliminary Higher School Certificate).....	6
Business Studies (Preliminary Higher School Certificate)	7
Childhood Studies	8
Circus	9
Commerce	10
Culinary Delights	11
Dance	12
Design and Technology	13
Drama	14
Everything Film	15
Food Technology	16
Geography (elective)	17
Industrial Technology – Engineering Studies	18
Industrial Technology – Multimedia	19
Industrial Technology – Timber	20
Information and Software Technology	21
Japanese	22
Music	23
Mystery, Murder and Madness (History Elective)	24
Physical Activity and Sport Studies	25
STEM	26
Textile Technology	27
Visual Art	28
Visual Design	29
Work Education	30

GENERAL INFORMATION

- 1 In Years 9 and 10 all students continue to study English, Mathematics, Science, History/Geography and PD/Health/PE along with three elective strands. Placement in Mathematics 5.3 (highest level), 5.2 and 5.1 courses will be determined by performance and results in Year 8.
- 2 Career Education will be timetabled for all students at some stage during Year 9.
3. The elective subjects are listed in the table of contents. More information on each elective is given in the next pages.
4. Every effort will be made to form the elective groups so that as many students as possible study the electives of their choice. If the number of students electing a subject is too small to form a viable class, or if there is an accommodation or staffing problem, the subject may **NOT** be available.
5. **Students with any questions should talk to the Student Advisers – Ms McCrossen, Mr Williams or to the relevant Subject Head Teacher. Parents with questions are welcome to ring the school on 9630 4116.**

Ms McCrossen and Mr Williams
YEAR 8 STUDENT ADVISERS

N E Vazquez
PRINCIPAL

Subject Title: Agriculture
Head Teacher: Mrs Menon
Elective Fee: \$50.00

Course Description:

Students will experience aspects of an agricultural lifestyle through direct contact with plants and animals and a variety of outside activities. They explore the many and varied career opportunities in agriculture and its related service industries. Students investigate the viability of Australian agriculture through the careful management of issues relating to the sustainability of agricultural systems, as well as the relationships between production, processing and consumption. The study of a range of enterprises allows students to make responsible decisions about the appropriate use of agricultural technologies. The course focuses on both plant and animal production enterprises. Plant enterprises will include vegetable and field crop production. Students will learn to sow, manage, harvest and market these products. The animal enterprises will include animals such as sheep, cattle, goats and poultry.

What will students learn about?

The essential content integrates the study of interactions, management and sustainability within the context of agricultural enterprises. These enterprises are characterised by the production and sale or exchange of agricultural goods or services, focusing on plants or animals or integrated plant/animal systems. The local environment will be considered in selecting enterprises, as will the intensive and extensive nature of the range of enterprises to be studied.

What will students learn to do?

Students must participate in 'hands on' practical activities to achieve the outcomes of this syllabus. The minimum allocated time for practical activities in this course is 50%. These practical experiences may include field work, small plot activities and laboratory work. Animal husbandry practices such as feeding, drenching and shearing will be carried out with all animals. Students may also be involved in showing the plants and animals at local agricultural shows. The skills of designing, investigating, using technology and communicating will also be developed over the period of the course.

Assessments:

Assessment for this course may include practical, skills-based tests, written tests, research assignments, experimental trials and class presentations.



Subject Title: Ballet
Acting Head Teacher: Ms Cullen Elective
Fee: \$50.00

Description

The Classical Ballet course has been designed to provide students with a foundation to develop dance technique and performance skill as well as an appreciation for the classical style. During this course students will be provided with a range of activities to develop a variety of skills in classical technique, interpretation, performance quality, analysis and the creation of classical works.

Practical classes will be linked to historical and critical studies. Students will rehearse traditional/modern exercises to develop their technical ability, applying understanding of these skills in the creation and performance of classical works and repertoire.

Aims of the Course

This course is designed to provide our dance students with the opportunity to develop their appreciation for this technical and traditional style of dance as well as develop their performance skill and technical ability. Students not within the CAPA program may elect this course to be studied alone.

Outcomes

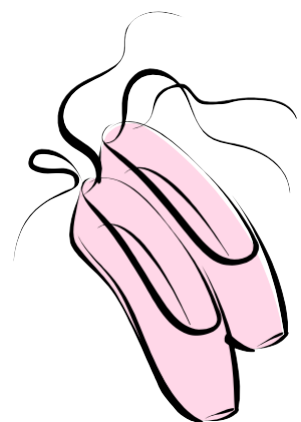
By the end of the course students should be able to:

- Demonstrate an understanding of Classical Ballet technique when executing steps, exercises and dances.
- Demonstrate a variety of skills in the creation and composition of Classical movement to communicate ideas.
- Value the diversity of Classical Ballet from a national and international perspective.
- Apply skills in critical and thinking and analysis.

Assessments

Assessment activities include:

- Solo and group performances
- Topic Test
- Logbook documentation
- Analysis of works
- Research Task



Subject Title - Biology (Preliminary HSC course)
Head Teacher: Mrs Menon
Elective Fee: \$50.00

This course allows students in the Gifted and Talented stream the option of studying the Preliminary HSC course in Biology in Years 9 and 10 and then completing the HSC course in Year 11. The subject matter of the Biology course recognizes the different needs and interests of students by providing a structure that builds upon prior learning. The course is designed for those students who have a substantial level of achievement and selection to the course is by invitation only.

Course Description:

The course examines the interactions between living things and the environments in which they live. The biology course build on the knowledge and skills of the study of living things found in the Science Stage 5 course. The course maintains a practical emphasis in the delivery of the course content and engages with the technologies that assist in investigating current and future biological applications.

The course provides the foundation knowledge and skills required to study biology after completing school and supports participation in a range of careers in biology and interdisciplinary industries. It is a fundamental discipline that focuses on personal and public health and sustainability issues, and promotes an appreciation for the diversity of life on the Earth and its habitats.

Aim:

Biology uses Working Scientifically processes to develop scientific investigative skills. It focuses on developing problem-solving and critical thinking skills in order to understand and support the natural environment. When Working Scientifically, students are provided with opportunities to design and conduct biological investigations both individually and collaboratively.

Objectives:

The study of biology, which is often undertaken in interdisciplinary teams, complements the study of other science disciplines and other STEM (Science, Technology, Engineering and Mathematics) related courses. Through the analysis of qualitative and quantitative data, students are encouraged to solve problems and apply knowledge of biological interactions that relate to a variety of fields.

Course Structure:

The Preliminary course incorporates the study of;

Cells as the Basis of Life, Organisation of Living Things, Biological Diversity and Ecosystem Dynamics.

Practical experiences are an essential component of the course and include at least one open-ended investigation integrating skill and knowledge outcomes. Practical experiences include undertaking laboratory experiments, the use of appropriate computer-based technologies and fieldwork. One fieldwork exercise must be completed in Year 11.

Assessments:

Assessments include research tasks, open ended investigation, formal examination and depth studies.

Subject Title - Business Studies (Preliminary Higher School Certificate)
Head Teacher : Ms R Senthevadivel
Elective Fee : Nil

This course allows students in the Gifted and Talented stream the option of studying the Preliminary HSC course in Business Studies in Years 9 and 10 and then completing the HSC course in Year 11.

Course Description

Business activity is a feature of everyone's life. As consumers and producers, employees, employers or self-employed, savers and investors, and as importers and exporters, people throughout the world engage in a range of business activities to design, produce, market, deliver and support a range of goods and services.

Business Studies is distinctive in that it encompasses the theoretical and practical aspects of business and management in contexts which students will encounter in life.

What will students learn about?

- Conceptually, Business Studies offers focus areas and perspectives ranging from the planning of a small business to the broader roles of management, finance, employment relations, marketing and the impact of the global business environment. Through the incorporation of contemporary business theories and practices the course provides rigour and depth and lays an excellent foundation for students either in further tertiary study or in future employment.
- Business case studies are embedded in the course to provide a stimulating and relevant framework for students to apply theoretical concepts encountered in the business environment.

What will students learn to do?

- Students investigate business establishment and operations and utilise a range of business information to assess and evaluate business performance. The role of incentive, personal motivation and entrepreneurship, especially in small business, is recognised as a powerful influence in business success.
- Business Studies makes a significant contribution to the ability to participate effectively in the business environment. Students completing this course will develop general and specific skills including research, analysis, problem-solving, decision-making, critical thinking and communication. These skills enhance students' confidence and ability to participate effectively, not only as members of the business world, but as informed citizens dealing with issues emanating from business activity that impact on their lives.
- Business Studies fosters intellectual, social and moral development by assisting students to think critically about the role of business and business institutions and their ethical responsibilities to society. A significant feature of Business Studies is its relevance to the full range of HSC students, as it provides useful knowledge and skills for life.

Subject Title - Childhood Studies

Head Teacher : Mr McKenzie

Elective Fee : \$40.00

Description

Childhood Studies gives students a basic understanding of contraception, conception, pre-natal development, antenatal care and birthing. The course includes 8 elective topics; Toddler Taming, Family Ties, TV Time, Safe and Sound, Play School, Special Children, Working with Children, Children's Clothing and Story Time.

Students will have the opportunity to use the "virtual reality doll" over a period of time to gain confidence and a greater understanding of the parental requirements of infants.

Students considering careers in allied health, childcare, early childhood studies and teaching will find this course a valuable experience. This course will give students a valuable insight into these career options.

Aims of the Course

The Childhood Studies course aims to develop knowledge and a deep understanding of the needs of young children, the importance of play and the issues of safety when caring for a child. It also aims to develop an awareness and appreciation of resources and services vital for the development of both children and families.

Outcomes

At the completion of Year 10 students should be able to:

- Identify the implications that parenthood has on one's life.
- Understand the nature of contraception, conception and pregnancy.
- Explain the various stages of labour and have an awareness of different birth processes and methods.
- Explain and evaluate the growth and development of young children.
- Identify and justify the role of individuals, organisations and facilities in the caring of children.
- Interact safely with children.
- Critically examine, select and use technology to document, evaluate and apply research information from a variety of sources.
- Appreciate the demands made on those responsible for the care of young children.

Assessments

Assessments include; class and theory work, practical tasks, research tasks, and oral presentations.



Subject Title: Circus
Acting Head Teacher: Ms Cullen
Elective Fee : \$50.00

Description:

Circus is an art form with a distinct body of knowledge including conventions, history, skills and method of creating. It is a vital part of our society and is celebrated worldwide as an expression of culture and belief as diverse as the values found in Australian culture.

Circus will provide students both individually and in groups with the opportunity to blend specialist physical activities with theatrical performance skills. Circus encourages students to work collaboratively and co-operatively throughout the process of creating and performing circus.

In circus, students are provided with a medium for personal expression. This enables the sharing of ideas, feelings and experiences whilst providing a valuable and unique means of enriching the physical, athletic, emotional, intellectual and social development for all students.

This course is designed to complement and enhance both the Board developed Drama and Dance course, while utilising the distinct physical stylizations and theatrical elements that exist in the practice of circus.

Aims of the Course:

The aim of Circus Stage 5 Syllabus is for students to experience, understand, value and enjoy circus as an art form through the interrelated study of **performance, creating** and **appreciation** of circus.

Outcomes:

- Students will develop knowledge, understanding and skills about circus as an art form through **circus performance** as a means to develop a variety of skills, techniques and conventions.
- Students will develop knowledge, understanding and skills about circus as an art form by **creating circus** through the fusion of the creative process and an understanding of the performance and production elements, while maintaining the unique movement repertoire of the circus.
- Students will develop knowledge, understanding and skills about circus as an art form, through **circus appreciation** as a means of describing the meanings, function and technical skill of circus, analyzing and evaluating their own work and the work of others within a historical, social or cultural context.
- Value and appreciate an increased awareness and respect for the values and attitudes of others and a sense of their own worth and dignity as individuals.

Assessments:

Assessment activities may include:

- Performance of skills and self/group-devised skills
- Practical tasks (lab work, field work, role plays, video presentations)
- Examinations and written tests, written reports and presentations (journals, essays, research assignment, group presentations)



Subject Title - Commerce
Head Teacher : Ms R Senthevadivel
Elective Fee : Nil

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**. It develops in students an understanding of commercial and legal processes and competencies for personal financial management. Through the study of Commerce, students develop **financial literacy**, which enables them to participate in the financial system in an informed way.

Topics may include:

Consumer Choice, Law and Society, Personal Finance, Employment Issues, Investing, Promoting and Selling, E-commerce, Global Links, Towards Independence, Political Involvement, Travel, Law in Action, Our Economy, Community Participation, Running a Business and School-Developed Option, e.g. **Managing My Mobile Phone**

Aims of the Course

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

Outcomes

Commerce provides for a range of learning styles and experiences to suit the interests and needs of all students.

- It emphasises the potential and use of **information and communication technologies**.
- Students gain greater competence in problem-solving and decision-making by evaluating the range of consumer, financial, business, legal and employment strategies.
- In examining these they also develop attitudes and values that promote **ethical behaviour** and **social responsibility** and a commitment to contribute to a more just and equitable society.

Assessments

Assessment events may include:

Individual tasks, oral presentations, group work and ICT projects.

Subject Title: Culinary Delights
Head Teacher: Mr Ian McKenzie and Mrs Maria Scott
Elective Fee: Year 9 \$100, Year 10 \$140, Year 11 \$120,
Uniform \$55 (to be paid for in year 10)

Description

Culinary Delights is a course specifically designed for students who want to enter into the food industry after school. This course will allow students to have an in-depth knowledge of food and the food service industry. Students will complete 100 hours in year 9 of Food Technology where they will study, Nutrition consumption, Food preparation and Processing, Food Service and Catering, Food For special occasions and Food Trends. In year 10 students will commence the HSC Certificate II in Hospitality Food and Beverage Course which will be completed in year 11 with the HSC examination. Whilst studying the Hospitality Course students will be focusing on the Food and beverage sector of the industry and will be given practical experiences in our own school café, school catering experiences and at work placement.

Aims of the Course

The aim of the Food Technology course is to actively engage students in learning about food in a variety of settings and develop the skills to serve food and beverage to industry standard.

Outcomes

At the completion of Year 11 students should be able to:

- Identify WHS issues and demonstrate hygienic handling of food to ensure a safe end product.
- Prepare, plan, present and evaluate food solutions for specific purposes.
- Serve food and beverages to industry standard



Assessments

Assessments include; class and theory work, practical and assessment tasks for year 9. Year 10 and 11 require the completion of cluster tasks.

Requirements

Work Health and Safety standards apply requiring students to wear fully enclosed leather shoes in practical lessons. In addition, students must wear an apron to protect their school clothes in year 9 and their purchased uniform in year 10 and 11. An elective fee is essential to cover food consumables and work booklets.

Course Entrance Requirements

As this is a course that is early commencement of the HSC to following must be completed and understood:

Students recognise this is an HSC course and will be starting 2 units of their HSC as part of their year 10 pattern of study.

- Whilst in Year 10 students **must commit to 2 periods a fortnight of off timetable study**, requiring before or after school attendance.
- **Students must complete an expression of interest as to why they would like to be accepted into this course which must be submitted to Mrs Scott before the closure of subject selection.**
- Students will need to commit to 70 hours of work placement of which 35 hours is to be completed in year 10 and the following 35 hours in year 11.
- Subject fees must be paid to secure a position and must be paid before beginning the course.

Subject Title: Dance CAPA GAT Dance and Elective Dance
Acting Head Teacher: Ms Cullen
Elective Fee : \$50.00
CAPA GAT Fee: \$60.00

Description

Dance involves the development of physical skill as well as aesthetic, artistic and cultural understanding. Learning in dance and learning through dance enables students to apply their own experiences to their study of dance. They learn to express ideas creatively as they make and perform dances, and analyse dance as works of art.

Dance in Stage 5 provides a pathway to the study of Dance in Stage 6, and encourages participation and enjoyment of dance throughout life.

Aims of the Course

The aim of Dance in Stage 5 is for students to experience, understand, value and enjoy dance as an art form through the interrelated study of the performance, composition and appreciation of dance.

Outcomes

By the end of Year 10 students should be able to:

- Improve their skills in dance technique and performance quality
- explore the elements of dance as the basis of the communication of ideas
- compose and structure dance movements that communicate an idea
- describe and analyse dance as the communication of ideas within the contexts studied

Assessments

Assessment activities may include:

- individual and group demonstrations of safe dance practice, dance technique and dance styles, and formal performances
- written research tasks and assignments
- dance process diary and journal (composition/performance)

Note: Students who are NOT currently in CAPA Dance, can audition for placement in the CAPA program. Otherwise they can select ELECTIVE Dance.



Subject Title - Design and Technology
Head Teacher : Mr McKenzie
Elective Fee : \$70.00

Description

The Design and Technology course introduces students to the skills required for the design process across a wide range of areas. These can include: metal, plastics, leather, computing, fabrics, graphics and timber. A design project is the main learning activity of students during a unit of work and culminates in the designed solution and documentation. The design project should be relevant to the student and address a pre-determined need.

Aims of the Course

The focus areas of Design and Technology provide meaningful contexts for the design project work and support the development of knowledge and understanding of the various stages in the approach to designing, producing and evaluation. Focus areas may include:

- Accessory
- Architectural
- Communication systems
- Digital media
- Environmental
- Furniture
- Graphical
- Industrial
- Information systems
- Interior
- Landscape
- Packaging

Outcomes

By the end of Year 10 students should be able to:

- Identify and manage the risks and WH&S issues associated with the use of a range of materials, hand tools, machine tools and processes
- Apply design principles, identify and competently use appropriate tools and processes to produce quality practical projects
- Develop an understanding of innovation
- Design, plan and construct projects
- Evaluate products in terms of design, functional, economic and aesthetic qualities.

Assessments

As practical work is the major focus of the course, it follows that much of the assessment will take place in the context of the quality of these projects in conjunction with the research and design of these projects. In addition, written practical tests, research projects and written reports will be issued to assess student's performance.

Subject Title: Drama – CAPA GAT Drama and Elective Drama
Acting Head Teacher: Ms Cullen
Elective Fee: \$50.00
CAPA GAT Fee: \$60

Description

The stage 5 Drama course is a practical based subject designed to foster cooperative skills and encourage self-esteem in students.

Students are involved in making, performing and appreciating drama, and they perform both at school and in the community. Students engage in creative processes including improvisation, playbuilding, puppetry, mask work, clowning, circus, scripted drama and physical theatre.

Aims of the Course

The aim of the Stage 5 Drama syllabus is to engage and challenge students to maximise their abilities and enjoyment of drama through making, performing and appreciating dramatic and theatrical works.

Outcomes

By the end of Year 10 students should be able to:

- contribute, select, develop and structure ideas in improvisation and play building,
- devise, interpret and enact drama using scripted and unscripted material or text,
- apply acting and performance techniques expressively and collaboratively to communicate dramatic meaning,
- analyse the contemporary and historical contexts of drama.
- Reflect on their own work and the dramatic work of others.

Assessments

Assessment activities may include:

- performance of group-devised playbuilding
- performance of scripted drama in group and monologue form
- improvisation tasks
- digital logbook reflections
- research assignments
- design projects
- script –writing tasks



Note: Students who are currently not in CAPA Drama, must audition for placement in the CAPA program. Otherwise they can select Elective Drama.

Subject Title: Everything Film
Head Teacher: Ms Lee
Co-ordinator: Ms M Simpson
Elective Fee: \$40.00

Description:

In this elective, students will engage with film on a variety of levels including film theory and its construction, as well as creating their own films in a variety of genres and for a variety of purposes. Students will then pick an area, or several areas, of interest within the filmmaking process and specialise in their chosen aspect.

By the end of the elective, students will create an original film and present it to an audience of their own choosing. This may be a film competition, on the school website or at a public event.

Outcomes:

- Effectively uses a widening range of processes, skills, strategies and knowledge for responding to and composing films
- Think imaginatively, creatively, interpretively and critically about increasingly complex ideas, subject matter and the filmmaking process.
- Purposefully reflects on, assesses and adapts their individual and collaborative skills with increasing independence and effectiveness

Assessment:

Students will be assessed on their ability to:

- Deconstruct films using appropriate cinematic metalanguage
- Communicate their learning through a range of mediums
- Plan, organise, record and edit an original film
- Work collaboratively on the creation of a film



Subject Title: Food Technology
Head Teacher: Mr McKenzie
Elective Fee: \$100.00

Description

In contemporary Australia consumers are presented with an astounding array of food products of both national and international origin. Studying Food Technology will give students the opportunity to explore food related issues through a range of theoretical and practical experiences. These experiences will equip students with the knowledge they need to make informed and appropriate choices relating to; food, nutrition, hygiene, safety and technology. Students will cover the focus areas of Food Nutrition and Selection, Food for Special Needs, Food Trends, Food Service and Catering, and Food for Special Occasions.

Students will be taught to design, produce and evaluate solutions involving food technology. Learnt skills are transferable to other subjects, future careers and life contexts. Examples of career paths include; chef, dietician, nutritionist, food critic, food technologist, health educator, hospital catering officer, food and beverage manager, etc.

Aims of the Course

The aim of the Food Technology course is to actively engage students in learning about food in a variety of settings, enabling them to evaluate the relationships between food, technology, nutritional status and the quality of life.

Outcomes

At the completion of Year 10 students should be able to:

- Identify WHS issues and demonstrate hygienic handling of food to ensure a safe end product.
- Describe, account for, and apply knowledge about the chemical and physical properties of food during processing, preparation and storage.
- Describe and justify the relationship between food consumption, the nutritional value of foods, and the health of individuals and communities.
- Collect, evaluate, apply and communicate ideas using a range of media and using appropriate terminology.
- Prepare, plan, present and evaluate food solutions for specific purposes.
- Examine and evaluate the impact of relationships between food, technology and society.

Assessments

Assessments include; class and theory work, practical and assessment tasks.

Requirements

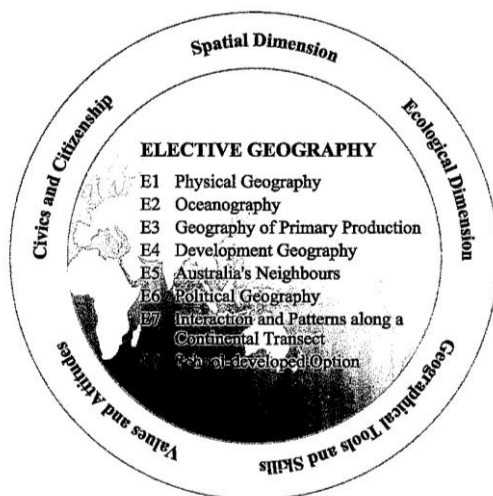
Work Health and Safety standards apply requiring students to wear fully enclosed leather shoes in practical lessons. In addition, students must wear an apron (white) to protect their school clothes. An elective fee is essential to cover food consumables and work/recipe booklet.



Subject Title: Geography (Elective)
Head Teacher: Ms R Senthevadivel
Elective Fee: Nil

Description

The Geography (Elective) course provides students with the opportunity for additional learning through the engagement with additional Geography content. It provides students with a broader understanding of the discipline of Geography and the processes of geographical inquiry, and enables depth studies through flexible programming of focus areas.



Aims of the Course

The aim of the elective Geography course is to provide opportunities for students with an interest or passion for Geography to develop their skills and learning in a challenging and exciting way.

Outcomes

By the end of Year 10 students should be able to:

- Analyse the importance of the world's environments and issues associated with them,
- Explain the roles and responsibilities of individuals, groups and governments in resolving tensions and conflicts at a range of scales,
- Analyse contemporary world events and issues in terms of their ecological and spatial dimensions,
- Apply geographical knowledge, understanding and skills with knowledge of civics to demonstrate active citizenship,
- Explain patterns, processes and issues associated with human activity at a range of scales,
- Describe physical, social, cultural, economic and political issues at a range of scales.

Assessments

Assessment activities may include:

- Project Based Learning Opportunities
- Field work – Sydney Aquarium, Imax Theatre, Darling Mills Creek
- Group work on various interest projects
- Quizzes and model-making



Subject Title: Industrial Technology – Engineering
Head Teacher: Mr McKenzie
Elective Fee: \$70.00

Description

Students undertaking Industrial Technology – Engineering will have opportunities to develop knowledge, understanding and skills in relation to engineering and its associated industries, with the emphasis on practical experiences. Core modules develop knowledge and skills in the use of materials, tools and techniques related to structures (bridges, buildings, dams, chairs etc) and mechanisms (levers, pulleys, gears, cams etc). These are enhanced and further developed through the study of specialist modules in control systems (robotics, electronics, hydraulics, pneumatics etc) and alternative energy (solar, wind etc).

Aims of the Course

The aim of Industrial Technology – Engineering will reflect opportunities to develop specific knowledge, understanding and skills related to Engineering. These may include:

- Small structures
- Small vehicles
- A range of devices and appliances
- Robotics projects
- Electronic and mechanical control systems.

Projects should promote the sequential development of skills and reflect an increasing degree of student autonomy as they progress through the course.

Outcomes

By the end of Year 10 students should be able to:

- Identify and manage the risks and WH&S issues associated with the use of a range of materials, hand tools, machine tools and processes
- Apply design principles, identify and competently use appropriate tools and processes to produce quality practical projects
- Select, apply and interpret a range of suitable communication techniques in the development, planning, production and presentation of ideas and projects
- Evaluate products in terms of functional, economic and aesthetic qualities and quality of construction
- Describe and analyse the impact of technology on society and the environment.

Assessments

As practical work is the major focus of the course, it follows that much of the assessment will take place in the context of the quality of these projects. In addition, written and practical tests, research projects and written practical reports will be issued to assess students' performance.

Subject Title: Industrial Technology – Multimedia
Head Teacher: Mr McKenzie
Elective Fee: \$50.00

Description

The Multimedia focus area provides opportunities for students to develop knowledge, understanding and skills in relation to multimedia and associated industries. Core modules develop knowledge and skills in the use of materials, tools and techniques related to multimedia which are enhanced and further developed through the study of specialist modules in multimedia-based technologies.

Aims of the Course

The aim of Industrial Technology – Multimedia is to produce practical projects that reflect The nature of the Multimedia focus area and provide opportunities for students to develop specific knowledge, understanding and skills related to multimedia related technologies. These may include:

- Individual photographic images
- Photographic presentations
- Brochures incorporating photographic images
- Photo journals
- Computer animations
- Webpages.

Outcomes

By the end of Year 10 students should be able to:

- Safely use computing equipment and associated materials
- Identify and use a range of still image formats
- Use a range of techniques to produce multimedia presentations
- Capture and/or create motion using a range of methods
- Apply design skills and principles to the production of a webpage.

Assessments

As practical work is the major focus of the course, it follows that much of the assessment will take place in the context of the quality of these projects in conjunction with the research and design of these projects. In addition, written practical tests, research projects and written reports will be issued to assess student's performance.



Subject Title: Industrial Technology – Timber
Head Teacher: Mr McKenzie
Elective Fee: \$70.00

Description

Industrial Technology – Timber provides students with an opportunity to engage in a diverse range of creative and practical experiences using a variety of tools and equipment widely available in industrial and domestic settings. Core modules develop knowledge and skills in the use of materials, tools and techniques related to general woodwork which are further enhanced through the study of specialist modules in Cabinetwork and Wood Machining

Aims of the Course

The aim of Industrial Technology –Timber is to develop students' knowledge, understanding, skills and values related to a range of technologies through safe interaction with materials, tools and processes. This is achieved through careful planning, development and construction of quality practical projects. The course also aims to develop students' understanding of the relationship between technology, individual and societal needs and the environment.

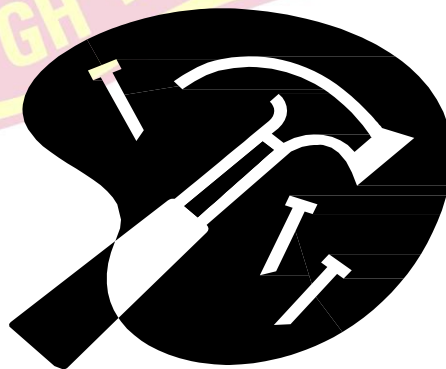
Outcomes

By the end of Year 10 students should be able to:

- identify and manage the risks and WH & S issues associated with the use of a range of materials, hand tools, machine tools and processes
- apply design principles, identify and competently use appropriate tools and processes to produce quality practical projects
- select, apply and interpret a range of suitable communication techniques in the development, planning, production and presentation of ideas and projects
- evaluate products in terms of functional, economic and aesthetic qualities and quality of construction
- describe and analyse the impact of technology on society and the environment

Assessments

As practical project work is the major focus of the course, it follows that much of the assessment will take place in the context of the quality of these projects. In addition, written and practical tests, research projects and written practical reports will also be used to assess students' performance.



Subject Title: Information and Software Technology
Head Teacher: Mr McKenzie
Elective Fee: \$40.00

Description

Information and Software Technology is a hands-on course that has practical projects, individual and collaborative, as its key structure. It is designed to give students an insight into a variety of computing contexts.

The major areas of study that will be covered at Northmead High in 2017 are: Digital media, Database Design, Authoring and Multimedia, Internet and Website Development, and Robotic and Automated Systems. Integrated in these major areas are the core content areas of Design, Data Handling, Issues, Emerging Technologies, People in Computing, Hardware and Software.

Aims of the Course

The aim of Information and Software Technology is to develop students' knowledge and understanding, confidence and creativity in analysing, designing, developing and evaluating information and software technology solutions.

Outcomes

By the end of Year 10 students should be able to:

- identify and describe a range of computer software and hardware
- design and develop creative information and software technology solutions for a variety of real-world problems
- display responsible and ethical attitudes related to the use of information and software technology
- describe effects of past, current and emerging information and software technologies on the individual and society
- demonstrate communication skills and collaborative work practices leading to information and software technology solutions for specific problems

Assessments

The hands-on nature of the course means that a large proportion of the assessment is in terms of practical projects, individual and collaborative, for each of the major areas of study. In addition to these projects half yearly and yearly exams form part of the overall assessment in both Year 9 and 10.



Subject Title: Japanese
Head Teacher: Mr. Johnson
Elective Fee: \$55.00

Description

Japanese has been identified as one of the priority languages in the Asia-Pacific region for studying in Australian schools. Japan is one of Australia's leading trading partners and the study of Japanese provides access to the language and culture of one of the global community's most technologically advanced societies and economies.

The study of Japanese may be advantageous for students seeking employment in fields such as commerce, tourism, hospitality and international relations.

This course also provides the opportunity to participate in an exchange program with Kawaguchi City, Japan depending on student interest.

Aims of the Course

The aim of the course is to develop students' communication skills in Japanese, their understanding of languages as systems and their insight into the relationship between language and culture. It also provides them with the necessary skills to undertake senior Japanese study at an advanced level.

Prerequisites

This course assumes completion of the stage 4 Japanese course in years 7-8.

Outcomes

By the end of Year 10 students should be able to:

- Incorporate diverse linguistic structures to express their own ideas in Japanese.
- Select, summarise and analyse the information and ideas in spoken and written Japanese texts and respond appropriately.
- Demonstrate understanding of the nature of languages as systems by describing and comparing features of Japanese and English.
- Identify and explain aspects of the culture of Japanese-speaking communities.
- Use linguistic resources to support the study and production of texts in Japanese.

Assessments

Assessment in this course includes tasks which evaluate students' progress in cultural knowledge in the four language skills areas; reading, writing, listening and speaking.



Subject Title: Music CAPA GAT and Music Elective
Head Teacher: Ms Cullen
Elective Fee: \$50.00
CAPA GAT Fee: \$50.00

Description

Elective Music is designed for students who have an interest in performing, composing and listening to a wide variety of musical styles. Students will study music from a range of styles and musical eras including rock, popular, classical, art music and musical theatre. Australian Music is a compulsory topic in stage 5.

Students will also use music technology in the creation of musical composition. This includes computers and sequencing applications. Music students will be selected performance opportunities at school events and other community events.

It is strongly recommended that each student is learning, or prepared to learn an instrument. Students have access to a range of instruments at school and may wish to participate in school ensembles.

Aims of the Course

The aim of music in stage 5 is to provide students with the opportunity to acquire the knowledge, understanding and skills necessary for active engagement and enjoyment in performing, composing and listening, and to allow a range of music to have a continuing role in their lives.

Outcomes

By the end of Year 10 students should be able to:

- perform in a range of styles and genres demonstrating interpretation of musical notation and the application of different types of technology
- notate own compositions using different forms of technology
- demonstrate an understanding of musical literacy through interpretation of scores in music selected for study
- demonstrate a developing confidence and willingness to engage in performing, composing and listening experiences

Assessments

Assessment activities may include:

- perform as a soloist or in an ensemble
- compose a piece of music using computer software
- research activities
- score reading and aural activities

Note: Students who are currently not in CAPA Music, must audition for placement in the CAPA program. Otherwise they can select ELECTIVE Music.



Subject Title: Mystery, Murder and Madness (Elective History)
Head Teacher: Ms R Senthevadivel
Elective Fee: Nil

Description

Elective History in Years 9 and 10 allow students to study ancient, medieval, and early modern societies and a wide range of thematic studies NOT covered in the mandatory School Certificate course of Years 9 and 10.

Topics may include:

- | | | |
|---------------------|--------------------------|---|
| ... Film as History | ... Crime and Punishment | ... Tudor England |
| ... Local History | ... Villains and Heroes | ... Dracula, Caligula,
Jack the Ripper |
| ... Family History | ... Slavery | ... Unsolved Mysteries |

Aims of the Course

- To develop students' understanding of the nature of History and the way it is constructed
- To encourage students to study in depth major features of different societies from the ancient, medieval, and early modern world
- To understand continuity and change
- To encourage enjoyment and enthusiasm by continuing to study History

Outcomes

By the end of Year 10 students should be able to:

- demonstrate knowledge and understanding in a differing range of historical investigations
- explain key features and personalities; show continuity and change
- show competence in research, selecting, interpreting and organising information
- reflect on their enjoyment and love of history

Assessments

Assessments will include individual tasks, group and collaborative skills and ICT projects. Quizzes, formal testing, public speaking and craft activities will also be included.



Subject Title: Physical Activity and Sport Studies
Head Teacher: Mr Neeves
Elective Fee: Nil

Description

Students enrolling in this course should expect one theory and one practical period each week. Sport uniform must be worn for all practical periods.

The course has a number of areas of study. Some of these include Body Systems, Physical Activity for Health, Physical Fitness, Australia's Sporting Identity, Issues in Physical Activity and Sport, Coaching, Enhancing Performance and Technology, Participation and Performance.

Aims of the Course

The aim of Physical Activity and Sport Studies is to enhance students' capacity to participate effectively in physical activity and sport, leading to improved quality of life for themselves and others.

Outcomes

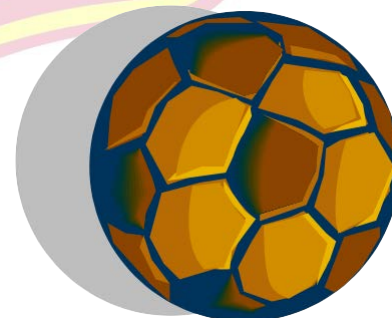
By the end of Year 10 students should be able to:

- analyse the benefits of participation and performance in physical activity and sport
- analyse physical activity and sport from personal, social and cultural perspectives
- demonstrate actions and strategies that contribute to enjoyable participation and skilful performance
- perform movement skills with increasing proficiency
- display management and planning skills to achieve personal and group goals.
- work collaboratively with others to enhance participation, enjoyment and performance

Assessments

Evidence of learning will be gathered through frequent tests, both in theory and practical areas. Some tasks will involve research and report writing.

There will be considerable use of and reference to technology. Students will gain skills in use of the Internet, word processing, PowerPoint presentations and spreadsheets. They will use these platforms to investigate sport topics, deliver information and analyse data.



Subject Title: STEM
Head Teacher : Mr McKenzie
Coordinator: Mr Milne
Elective Fee : \$70.00

Description

STEM incorporates the four pillars of Science, Technology, Engineering and Mathematics into a practical, hands on application. Students are guided to think and frame their thoughts and devise possible solutions as they work mathematically, scientifically and technologically to solve problems and present themselves. Students will have guidelines for high quality work and know what is expected of them to successfully complete projects.

Aims of the Course

The aim of this course is that students make connections through, designing, building, testing, evaluating and modifying designs until the project outcomes are achieved. In this subject students are actively engaging in critical and creative thinking, problem solving, data gathering to inform planning, conducting investigations and designing and developing prototypes and solutions.

Outcomes

By the end of Year 10 students should be able to:

- Develop innovative ways to solve problems in the real world.
- Develop understanding and skills needed in society to actively contribute and influence scientific developments through innovation.
- Apply the design process to different projects.
- Evaluate and reflect throughout and on the final solution
- Apply mathematical formulas and calculations as required
- Application of scientific process

Assessments

As practical work is the major focus of the course, it follows that much of the assessment will take place in the context of the quality of these projects in conjunction with the research and design of these projects. In addition, written practical tests, research projects and written portfolios will be issued to assess student's performance.



Subject Title: Textile Technology

Head Teacher: Mr McKenzie

Elective Fee: \$50.00 (students will be required to purchase their own resources for individual projects)

Description

Textile Technology is a predominantly practical subject which focuses on producing a range of creative textile projects. The course caters for the creation of textile products including; wearable's, apparels, costumes and home furnishings.

Students will gain knowledge about the properties, performance and uses of textiles fabrics, yarns and fibers. In addition, students will learn to appreciate the elements and principles of design as they apply to textiles in contemporary society. Students will also develop skills in applying colour and decoration in textile based practice.

Students' knowledge will be enhanced through the study of renowned national and international textile designers. Study will include a focus on historical and cultural aspects that influence contemporary textiles worldwide.

The choice of focus areas for practical projects includes:

- Furnishings (curtains, cushions, tablecloths, table runners and quilts)
- Apparel (skirts, shorts, jackets, lingerie, suits, formal outfits)
- Costume (masks, head-dresses, theatre fold, traditional and fancy dress)
- Textile Art (wall hanging, murals, pictures, mats, embroidery wearable designs.)
- Non Apparel (bags, toys, books covers, jewellery).

Students will gain an insight into the careers available in the Textiles and Design Industry, including; Textiles Designer, Fashion Designer, Wardrobe Coordinator, TAS Teacher, Interior Designer, etc.

Aims of the Course

The aims of Textile Technology are to develop confidence and proficiency in the design, production and evaluation of textile items. Students will actively engage in learning about the properties and performance of textiles, textile design and the role of textiles in society.

Outcomes

At the completion of Year 10 students should be able to:

- Explain and justify the properties and performance of a range of textile items for a specific end use.
- Explain investigate and generate work through the use of the elements and principles of design, with emphasis on colouration and decoration.
- Analyse and evaluate the impact of textile production and use on the individual consumer and society.
- Select, demonstrate and manipulate a range of textile materials and equipment to produce a quality project.
- Confidently use a range of technologies such as; computer linked machine and embroidery work, digital imaging and transfer printing, manipulation of commercial patterns, computer generated patterns.
- Evaluate textile items to determine quality in their design and construction.



Assessments

Assessments include; Practical, project, folio and Exam

Subject Title: Visual Art CAPA GAT and Visual Art Elective

Acting Head Teacher: Ms Cullen

Elective Fee: \$50.00

CAPA GAT Fee: \$50.00

Description

Visual Arts fosters interest and enjoyment in the making and studying of art. The course will involve experimentation with a wide variety of media and a diversity of art forms including painting, drawing, design, sculpture, printing, ceramics and mixed media.

Students will also study artists and artworks for critical analysis and historical perspective.

An Art fee separate from and additional to the General School Contribution is expected to cover material costs.

Aims of the Course

The aim of Visual Arts is to enable students to develop knowledge, understanding and skills to make artworks, while critically and historically interpreting art.

Outcomes

By the end of Year 10 students should be able to:

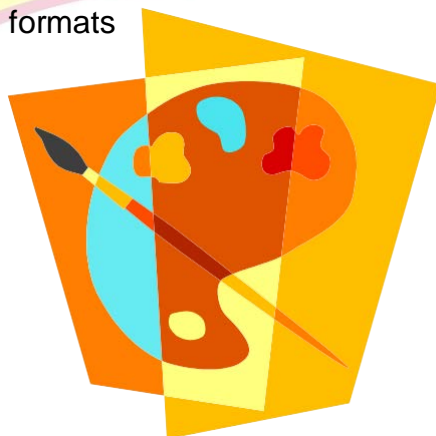
- make artworks informed by their understanding of the function of and relationships between artist, artwork, world and audience
- demonstrate developing technical accomplishment and refinement in making artworks
- apply their understanding of aspects of practice to critical and historical interpretations of art

Assessments

Assessment activities may include:

- individual and group artmaking activities
- presentations, including oral, PowerPoint and multimedia formats
- exhibition of art.

Note: Students who are currently not in CAPA Visual Art must audition for placement in the CAPA program. Otherwise they can choose Elective Visual Art.



Subject Title: Visual Design
Acting Head Teacher: Ms Cullen
Elective Fee: \$50.00

Description

The Visual Design course explores and investigates the work of contemporary web designers, architects, commercial and industrial designers, space, light and sound engineers, graphic designers, fashion accessory and textile designers.

Through the study of selected designers and artists students build a portfolio of artworks using the following media: digital photography, illustration, cartooning, printmaking, textiles, posters, postcards, print design, painting, jewellery, wearable art, ceramics, theatrical applications for visual design, installations, site specific artworks, interior and exterior design.

A Visual Design fee separate from and additional to the General School Contribution is expected to cover material costs.

Aims of the Course

Students will develop knowledge, understanding and skills to make Visual Design artworks informed by their understanding of practice, the conceptual framework and the frames.

Outcomes

- Develops autonomy in selecting and applying visual design conventions and procedures to make visual design artworks.
- Makes Visual Design artworks informed by their understanding of the function of and relationships between artist-artwork-world-audience.
- Makes Visual Design artworks informed by an understanding of how the frames affect meaning.
- Investigates and responds to the world as a source of ideas, concepts and subject matter for Visual Design artworks.
- Selects appropriate procedures and techniques to make and refine Visual Design artworks.

Assessments

Assessment activities may include:

- Individual and group design activities
- Presentations of design briefs, design works and student portfolios
- Exhibition of student works, design briefs and portfolios.
- Documentation and recording of installations and site specific artworks.

Subject Title - Work Education
Head Teacher: Ms Koranyi
Elective Fee: Nil

Description

Work Education provides students with an opportunity to develop knowledge and understanding of the world of work, the diverse sectors within the community, the importance of education, and the role played by employment and training systems. Students will explore various work contexts including paid and unpaid work, volunteer work, casual and part time employment.

Aims of the Course

The aim of Work Education is to give students an opportunity to develop employability, enterprise and pathways planning skills. Work Education also provides students with educational opportunities that will prepare students to be effective and responsible members of their community.

Outcomes

By the end of the course students will have developed:
Knowledge and understanding of the world of work
Developed employability, planning, research and communication skills.
An appreciation for the importance of lifelong learning.

Assessment

Assessment activities may include:

- Research assignments and projects
- Fieldwork activities including workplace learning
- Presentations including the use of multi media
- Peer and self assessment