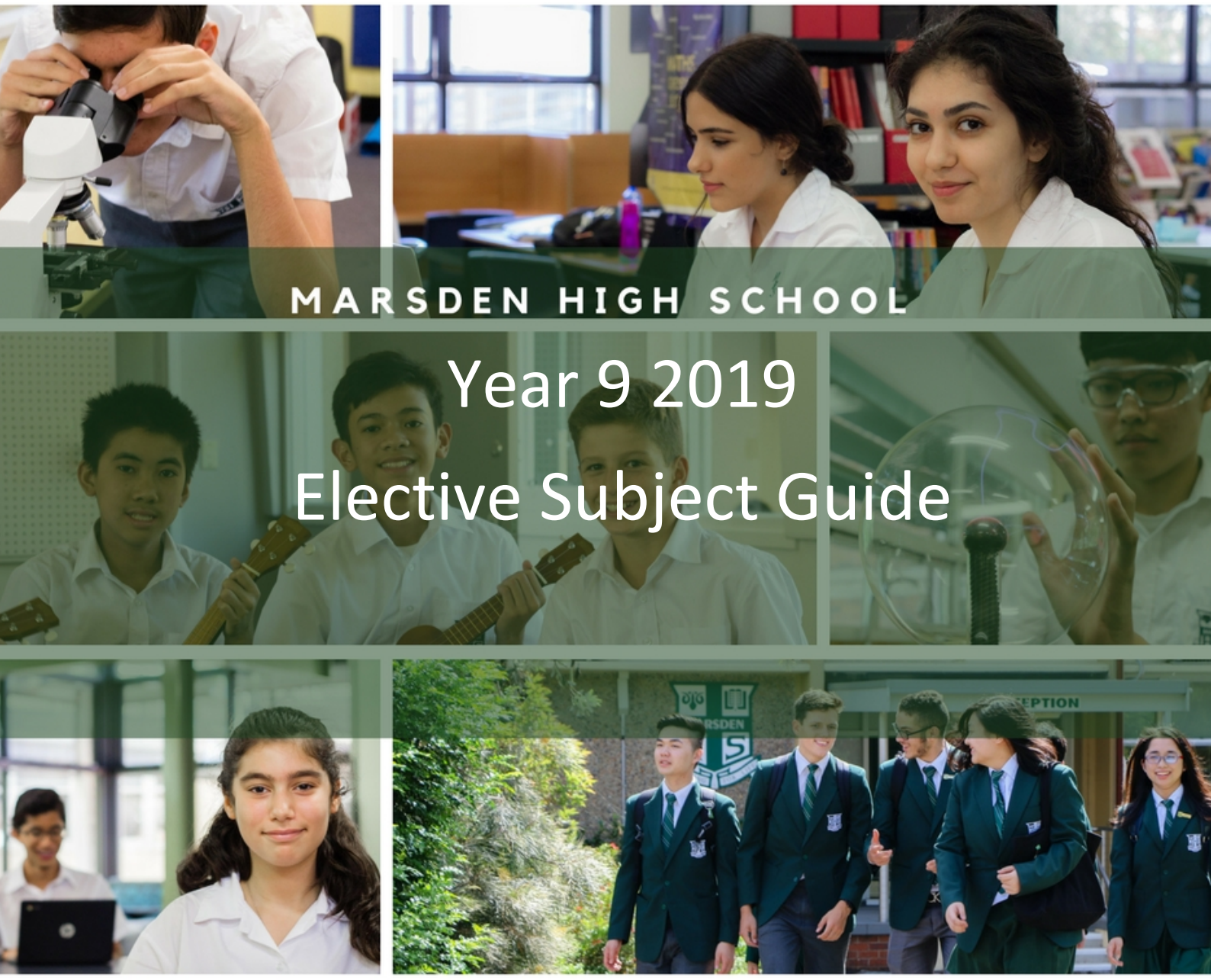

MARSDEN HIGH SCHOOL

Year 9 2019

Elective Subject Guide

Year 9 2019
Elective Subject Choices

Dear Parents and Caregivers,

It is time for Year 8 students to select the subjects they wish to study for Year 9 and Year 10.

Marsden High School offers a wide range of elective subjects. We aim to cater for individual needs, talents and interests through the study of relevant and meaningful courses.

This booklet is designed to provide a greater understanding of the nature and content of the various elective subjects offered at Marsden High School. We hope it will help you to assist your child in planning their course of study.

Students must complete their selection of electives online then print off their form, have it signed by a parent or carer, and hand it to their Year Adviser. The school can then begin to organise classes and timetables for next year. Students will most likely be able to study three of their first four choices. Occasionally this may not be possible so a fifth and sixth choice is required. Every effort will be made to satisfy every student's first three choices.

Parents and students are reminded that a number of subjects, particularly those in the Technological and Applied Studies and Creative Arts Key Learning Areas, require a **contribution to cover** the cost of materials and resources used. The contribution will vary with the course and can be expensive. Students who are unable to make the contributions will need to supply their own materials and resources for each of the projects or practical exercises. If this creates a problem please contact the Principal so that alternate arrangements can be made regarding the materials and the resources used. The materials contribution for each subject is contained in the notes for each course.

Take time to help your child plan and select their subjects carefully. Remember students should select elective subjects that they have an **interest in** and **will enjoy studying**. If you have any further queries, please contact either myself or the relevant subject head teacher.

Mr Lance Berry
Principal

Year 9 2019

In Year 9 ***ALL*** students will study the following ***compulsory subjects***:

English
Mathematics
Science
History
Geography
Personal Development, Health & Physical Education (PDHPE)
Sport

Students will also be required to study ***three (3) elective subjects***. Students may choose from**:**

Big History
Child Studies
Commerce
Dance
Drama
Elective Geography
Elective History
Elective Mathematics
Accelerated Mathematics
Food Technology
Forensics
Industrial Technology – Building & Construction
Industrial Technology – Engineering ISTEM
Industrial Technology – Multi-Media
Industrial Technology - Timber
Information & Software Technologies
Korean
Music
Photography & Digital Imaging
Physical Activity & Sport Studies (PASS)
Textile Technology
Visual Arts

It is important to remember that elective subjects can only be timetabled if there are sufficient students interested to form a class – usually a minimum of fifteen students.

2019 Timeline

- Subject Selection Information Evening Monday 30 July
- Consultation with families and teachers regarding appropriate course preferences
- Students indicate their course preferences online by 11pm Friday 10 August
- Students present printout of subject selection choices, signed by parent/guardians to Mr Atah by Monday 13 August
- School determines which course will be viable for 2019 based on student interest
- Computer Program used to determine "best fit" for courses into subject lines
- School Executive approves the Year 9 Subject Lines for 2019
- Student confirm their choices on subject lines
- Limited number of students to re-select an alternative subject if clashes occur
- Students' Courses for Year 9 2019 confirmed
- School Timetable Constructed

Procedure for selecting subjects

Go to the DET Student Portal. http://student.det.nsw.edu.au

→ Login to your DEC Portal with your username and password.

Your username is usually your first name and your second name with a full stop separating them. eg. Alex.Davis

→ **You will have set your own password. If you have never accessed your DEC email and do not know your password you must have your password reset by Mrs Knight in the Library**

Find and click on your DEC Email icon.

→ Find the relevant email about Subject Selections and open it up.

Click on the Edval Subject Selection link in the email.

→ This is where you must enter your selections. There are drop down menu boxes for all the windows.

Once satisfied with your selections, print them out and get your parent or guardian to sign.

→ Return the form to your Year Adviser, Mr Atah by Monday 13 August

Big History

Where did everything come from and where are we heading? These are the questions at the heart of many origin stories. Big History rewinds the clock to the beginning of time to answer the same question and examine the Universe as a whole, drawing on the best available ideas from many academic disciplines.

Big History gives us the perspective and intellectual rigor that inquisitive explorers need to make sense of the information we have about our world today. It tells the story of the universe, from the beginning, as far as we know it, to our own contemporary civilization in a way that is accessible to everyone. While the separate scientific disciplines such as astronomy, chemistry, and anthropology have tended to emphasize their own bodies of knowledge, Big History points to the connections among these ways of seeing rather than to the boundaries between them. Viewing the world through this wide-angle lens, you too will see as a big historian does.

Topics
The Big Bang, Stars Light Up, New Chemical Elements, Earth and the Solar System, Life on Earth, Collective Learning, Agriculture, The Modern Revolution, The Future.

Personal Qualities required to complete the course:
- An interest in “Big Ideas” and an enthusiasm for the ways that different subjects connect to one another.
- The ability to think “outside the box”.
- An appreciation for questions that cannot necessarily be answered.

Skills developed during the course:
- Critical and creative thinking
- Understanding of ethical issues
- Intercultural understanding
- Civics and citizenship
- Sustainability
- Personal and social capability

Related subjects in Year 11 and Year 12
- Modern History
- Ancient History
- Physics
- Chemistry
- Biology
- History Extension

Costs associated with the course
Excursions where relevant including Macquarie University, The Observatory and others.

Child Studies

Child Studies will assist students to understand the significant impact of the child's environment and the role that the child and others can take in the active construction of this environment. They will have the opportunity to reflect and think critically on the value of the cultural context and influence of ancestral and traditional practices. They will learn to identify, create and evaluate solutions to enhance child wellbeing. They become aware of and learn to access a range of relevant community resources and services.

Year 9 Topics

- Preparing for parenthood
- Conception to birth
- Family interactions
- Newborn care
- Growth and development
- Play and the developing child
- Childcare services and career opportunities.

Year 10 Topics

- Health and safety in childhood
- Food and nutrition in childhood
- Children and culture
- Media and technology in childhood
- Aboriginal cultures and childhood
- The diverse needs of children

Personal qualities required to complete this course:

- Motivation
- Interest in Child Studies and Childcare services
- Enjoys working collaboratively with others
- Understanding and supportive personality

Skills developed during the course:

- Analyse and appraise information
- Understanding of child services and needs of young people
- Researching, communicating and evaluating issues related to child development
- Ability to access community support organisations and networks
- Working collaboratively in a team environment

Related subjects in year 11 and year 12:

- CAFS
- PDHPE

Costs:

Nil, however additional excursion expenses may be required

Commerce

Commerce examines how people earn their income, how they spend their money and how and what goods and services are produced. It also investigates the ways in which governments and laws influence business. Commerce develops in students the ability to research information, apply problem-solving strategies and evaluate options in order to make informed and responsible decisions as individuals and as part of the community.

Stage 5 Topics
Core Topics:
Consumer Choice, Personal Finance including participation in the Australian Stock Exchanges Share Market Game, Law and Society and Employment Issues

Option Topics:
Investing, Promoting and Selling, Towards Independence, Running a Business, Political Involvement, Travel, Law in Action and Our Economy

Personal qualities required to complete this course:
Commerce is best suited to students who are interested in working very hard to extend their learning. The ability to write for extended periods and speak effectively is advantageous.

Skills developed during the course:
- Effective and efficient research
- Communication
- Integrated computer technology
- Financial managements skills

Related subjects in year 11 and year 12:
- Business Studies
- Legal Studies
- VET Retail

Costs associated with the course:
Excursions where relevant

Dance

Dance is an elective, which promotes students critical thinking towards dance works and dance skills through the three main components of dance: Composition (creating), Performance and Appreciation (written).

Year 9 Topics

- The art of dance – Student learn to discover ways of moving
- Movement Technique – Safe dance practice and its application to dance technique
- The human Body – study of the human body including bones and muscles
- Stimuli creativity – Introduction to composing dance works (choreographing)
- Artistic layers of dance – Exploration of the elements of dance (space, time and dynamics)
- Transitions and sequences – Students learn how to give their dance works form
- Performance quality – Students learn to perform in a variety of settings
- Technology – Historical Aboriginal dance

Year 10 Topics

- Body in motion – Study of the body including injuries and nutrition
- Technology – Students learn to use technology to aid them in the creative process
- Dance over time – Social, cultural and historical dance over the decades
- Interpretation - Student learn how to self assess
- Drawing links – Making links between their works and known dance works
- Lets be creative - Students study dance as a symbolic language

Personal qualities required to complete this course:

- Motivation
- Dedication to attain a high level of dance technique
- Interest in dance
- Enjoys working with others
- Willingness to perform in front of peers and the wider community

Skills developed during the course:

- Dance technique
- Skills in a variety of different dance genres e.g. ballet, contemporary, musical theatre
- Team work
- Choreographic skills
- Execute movement proficiently
- Interpret and analyse dance works

Related subjects in year 11 and year 12:

- Dance
- PDHPE
- Sport Lifestyle and Recreation

Costs:

$50 per year, plus additional excursion expenses where required

Drama

Elective Drama in Years 9 and 10 is a practical and creative subject with a focus on performance and encompasses a broad range of dramatic activities, encouraging **self-confidence, expression and creativity.**

Students learn individual and ensemble performance skills as well as gaining confidence in front of an audience. Students also learn about theatre history and its place in the world. They will explore different performance styles and forms, as well as theatre design elements – lighting, stage and costume.

Stage 5 Topics include (but are not limited to):
The Elements of Drama, Improvisation, Playbuilding, Melodrama, Mime, Characterisation and Scripting, Comedy and Clowning, Theatre Practitioners, Physical Theatre, Political Theatre, Commedia del Arte, Greek Drama and Australian Theatre.

Personal qualities required to complete this course:
- An interest in performance
- The ability to work in a group
- A positive attitude and high energy
- Maturity and the ability to focus and reflect on your work
- The ability to take risks, try new things and go beyond your safety zone
- The ability to have fun learning and to laugh at yourself!

Some skills developed during the course:
- Drama will build your self-confidence/self-esteem.
- Drama gives you the skills you need to work with other people.
- Drama teaches you to think **CREATIVELY**.
- Drama teaches you to think critically.
- You will learn to use the most important tools: your body and your voice.
- You will learn to present your thoughts and ideas to an audience.
- Technical theatre techniques
- The skills taught in drama can help you in **ALL your other subjects**.

Related subjects in year 11 and year 12
- Drama 2 unit

Costs associated with the course:
Fees are $40 each year. Any excursion costs will be additional.

Elective Geography

Elective Geography aims to make Geography accessible, practical and relevant for all students. The course develops students' capacity to develop geographical skills, knowledge, understanding, values and an appreciation for a changing world.

The focus areas for Elective Geography are:

- Physical, social, cultural, economic and political influences on people, places and environments
- Important relationships between people and environments
- Contemporary geographical issues and their management
- The wellbeing of societies and environments

Exciting topics may include (but are not limited to):

Year 9 Topics
Physical Geography, Primary Production of Goods and Services, Australia's Neighbours, Interactions and Patterns within the Asia-Pacific Region

Year 10 Topics
Oceanography, Global Citizenship, Political Geography, Resource Geography, School-developed Option

Personal qualities required to complete the course:
- Interest in performance
- Hands-on and active learning
- Interest in developing technology skills
- Willingness to explore a range of technology ways to express creativity

Skills developed during the course:
- Commitment to informed and active global citizenship
- Commitment to a transforming society
- Appreciation of the study of Geography
- Geographical inquiry

Related subjects in year 11 and year 12:
- Senior Geography
- Earth and Environmental Science
- Marine Studies

Costs associated with the course:
Excursions where relevant.

Elective History

The aim of Elective History is to enable students to acquire the historical skills, knowledge and understanding, and values and attitudes essential to an appreciation of the past and to prepare students for informed and active citizenship in a changing world.

The focus issues for Elective History are:

- How did people in past societies and periods live?
- In what ways does the study of past societies contribute to our understanding of the present?
- What have been the origins and nature of some of the significant issues in the modern world?
- How have significant issues influenced the modern world?

Year 9 Topics
Exciting topics may include (But are not limited to):
Archaeology (Indiana Jones style), History Mysteries, History meets Hollywood, Heroes and Villains, Vicious Vikings, Blood Sports, Titanic, Games of Thrones, Video Games and History

Year 10 Topics
Outrageous Leaders, Tomb Raiders, Dead Men Tell Tales, Myths and Legends, Ancient Warriors and Warfare, Crime, Law and Punishment, The Man in the Iron Mask and The Civil Rights Movement

Personal qualities required to complete the course:

- Interest in performance
- Interest in developing technology skills
- Willingness to explore a range of ways to express ideas excitingly and creatively

Skills developed during the course:

- Commitment to informed and active citizenship
- Commitment to a just society
- Appreciation of the study of History
- Empathetic understanding

Related subjects in year 11 and year 12:

- Modern History
- Ancient History
- History Extension

Costs associated with the course:
Excursions where relevant, including Melbourne, Tasmania, Italy

Elective Mathematics

The aim of Elective Mathematics is to provide students placed in the 9M5.3 course in 2019 with another opportunity to interpret and apply mathematics in a variety of contexts, with the intention of students being challenged at a more in-depth level. Students will develop the capacity to critically evaluate ideas and arguments that involve mathematical concepts.

Ultimately we would like students to participate in an accelerated mathematics program, which includes this Elective Mathematics course as a key component. Students from the 9M5.3 course choosing Elective Mathematics will be given an invitation to participate in accelerated mathematics for 2019. Students interested in the Accelerated course must select Elective Mathematics as their first elective when doing their subject selections.

The Accelerated Mathematics course is explained on the following page.

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. In this elective, students will undertake challenging and engaging experiences.

Students selecting this elective should have mastered Stage 4 Mathematics.

Year 9 Topics may include:
Working Mathematically, Geometrical Constructions, Theory of Logarithms, Land and Time Measurement, Space Mathematics, Mathematics in Construction, Maths Challenge for Young Australians.

Year 10 Topics may include:
Working Mathematically, Linear Programming, Matrices, Coastal Navigation, Polynomials, Functions and Mappings, Inequalities, Pascal's Triangle and Binomials, The Mathematics of Chance and Gambling

Personal qualities required to complete the course:
- High level of skill in Mathematics
- High level of interest in Mathematics
- Interest in developing technology skills
- Ability to work both independently and in a group

Skills developed during the course:
- Numerical literacy
- Practical applications to mathematics
- Problem solving skills
- Higher order thinking skills

Related subjects in year 11 and year 12:
- Mathematics
- Extension 1 Mathematics
- General Mathematics

Costs associated with the course:
Excursions where relevant, external competitions.

Equipment Required:
Calculator, grid exercise book, geometry equipment.

Accelerated Mathematics

This will be an invitation only course. Students will be invited based on academic results and teacher recommendation. Students completing this course will complete their HSC examination in Advanced Mathematics (2unit) when they are in Year 11.

The aim of Accelerated Mathematics is to enable highly capable students to complete 2 units of study whilst they are in the preliminary course. These students would be those expecting to study Extension 1 Mathematics and possibly Extension 2 Mathematics for the HSC.

It is expected that students would select the Elective Mathematics for Stage 5 as their first elective.

Year 9: Students would be required to study a compacted Stage 5 mathematics course.

Year 10: Students would be studying the preliminary Stage 6 Mathematics course. They would be required to complete all the same assessments as the Year 11 Advanced Mathematics cohort, including formal examinations during Year 11 examination periods. Students would come out of other classes on those days and need to be responsible for completing the class work.

Year 11: Students would be studying the HSC Mathematics course and completing the HSC Examination whilst in Year 11. They would be required to complete all the same assessments as the Year 12 Advanced Mathematics cohort, including formal examinations during Year 12 examination periods. Students would come out of other classes on those days and need to be responsible for completing the class work.

Year 12: Students would be studying Extension 1 or Extension 2 Mathematics in Year 12.

The advantages of studying an accelerated course:
- students are not required to study already previously learned material.
- students will have completed 2 units of study and one HSC examination by the end of Year 11.
- it provides an edge over other students for the HSC, as the number of units studied will be less in Year 12

Personal qualities required to complete the course:
- Passion for Mathematics
- High achievement in stage 4 Mathematics with the intention to study at extension levels for the HSC
- Ability to work both independently and in a group
- Enjoy challenges and fast paced instruction
- Likes being in a competitive situation

Related subjects in year 11 and year 12:
- Extension 1 Mathematics
- Extension 2 Mathematics (Year 12 only)

Equipment Required:
Calculator, grid exercise book, geometry equipment, mathematics template

Food Technology

This course focuses on the study of domestic, commercial and industrial applications of Food Technologies.

Year 9 Topics
Food Preparation and Processing, Nutrition, Food In Australia and Food For Special Occasions
Example Recipes:
Apple and Oatmeal Cookies, Gourmet Hamburgers, Carrot Cake, Sushi, Chocolate Fudge Slice, Jams/Relishes/Preserves/Lemon Butter, Wattleseed Mousse, Filo Rolls/Meat Pies, Meatloaf, Cupcakes/Butterfly Cakes, Sausage Rolls, Lemon Meringue Pie and Children's Party Cakes

Year 10 Topics
Food Equity, Food Trends, Food Product Development and Food Service and Catering
Example Recipes:
Tortillas, Chicken and Corn Soup, Pudding, Rissoles, Fruit Crumble, Omelettes, Butter Chicken, Muffins, Kebabs, Chocolate boxes

Personal qualities required to complete this course:
- Enjoy practical work
- High standard of personal cleanliness
- Attention to detail
- Good hand-eye coordination
- Able to work as part of a team.

Skills developed during the course:
- Taste testing and evaluation
- Recipe formulation and implementation
- Food presentation and food styling
- Design, plan and prepare a range of menu items suitable for a range of occasions
- Critically evaluate commercial and home cooked foods for nutrition and value
- Appreciate variety and abundance of food in Australia
- Food safety and Occupational Health and Safety skills.

This course caters for students of all abilities. The knowledge, skills and attitudes developed by these students will have relevance to possible career paths and general life experiences.

Related subjects in year 11 and year 12:
- Food Technology 2 unit
- VET Hospitality 2 unit
- Design and Technology 2 unit

Costs associated with the course:
$50 each year.

Forensics

Forensics experts apply scientific procedures and techniques to the examination of potential evidence that may assist in legal investigations.

This excellent course enables students to come to grips with the exciting world of forensics, where scientific principles are used to determine cause or consequence often in the case of crime scenes. Forensics has many different branches and students will explore a variety of modules, gaining an appreciation of the skills and knowledge required by experts working in this field.

Topics in Year 9
- Introduction to Forensics and forensic careers
- Evidence – DNA
- Crime Scene Investigation
- Document Analysis
- Trace Evidence

Topics in Year 10
- Ballistics & Firearms
- Blood Analysis
- Forensic Anthropologist
- Injuries
- Forensic Pathology

Personal qualities required to complete the course
- An interest in Forensics and an enthusiasm for the ways forensic experts work in order to achieve the most accurate outcome.
- The ability to work collaboratively as a team

Skills developed during this course:
- Good communication, promptness and getting along with others
- Logical and lateral thinking by locating, developing, summarising and evaluating information.
- Self-management skills such as the ability to set short term and long term goals and use time efficiently.
- Critical thinking, decision making and problem solving.
- Good observation.

Related subjects in Year 11 and Year 12
- Biology
- Chemistry
- Physics
- Senior Science

Costs associated with the course
Excursions and incursions where relevant.

Industrial Technology – Building & Construction

This course provides opportunities for students to develop knowledge, understanding and skills in relation to the building and associated industries. Students will develop knowledge and skills through specialist modules in Construction and Renovation Projects, and Outdoor Structures and Landscapes.

Practical projects provide opportunities for students to develop specific knowledge, understanding and skill related to:

- Outdoor and indoor construction of small projects and structures;
- Scale models;
- Elementary repairs and renovations;
- Development of garden and recreational areas; and
- Work undertaken on isolation building models and mock-ups.

Year 9 Topics
Topics addressed:
WHS and Risk Management, The safe use of machine tools, The use of personal protective equipment, Principles of design in the construction of projects, CAD (Computer Aided Drafting), Interpret workshop and construction plans, Issues relating to the sustainability and the environment, Landscaping and gardening, Practical projects in the workshop and worksites; and Applications of hardwoods, softwoods, manufactured boards and recycled materials.

Year 10 Topics
Topics addressed:
Industry terminology, Fixtures and fittings from a range of materials eg. timber, metal and composites, Landscaping and gardening, Wall frame construction, concrete slabs and decks, Set out and construction formwork for concrete, eg. for pavers, stepping stones, garden borders, Erect elementary brickwork, Techniques for the construction of walls and fences and Elementary repairs and renovations.

Personal qualities required to complete the course:
- Enjoyment of working in a physical environment in the outdoors and a workshop.
- A willingness to work in teams and teamwork.
- Independent worker.

Skills developed during the course:
- Safe use of hand and power tools in the development and production of projects.
- Working with materials used in residential building and construction.
- Working in teams and teamwork.

Related subjects in year 11 and year 12
- VET Construction 2 unit
- Industrial Technology 2 unit
- Design and Technology 2 unit

Costs associated with the course:
$30 each year.

Industrial Technology – Engineering ISTEM

This practical subject allows students to explore the many areas of Engineering, Science, Technology and Mathematics through workshop experiences. The course has 70% of the outcomes based on practical experiences with 30% written and sketching work. Modules covered in the course include Engineered Structures, Mechanisms, Control Systems and Alternative Energy. Students can receive a free copy of Creo (3D drawing programme) to install on their home computer.

Year 9 Topics
Projects include:
Solid edge exercises directed at the full design of a Co^2 car. This Car is then machined on our $20,000 rapid proto-typer CNC machine. The car is then spray-painted and the cars are entered into the very exciting annual Co2 Dragster race over in the hall, where the cars are timed using our F1 in schools race equipment. The students are then given the challenge to design and build a Bottle rocket. This design is tested using our Bottle Rocket Launcher to see who wins in our Bottle Rocket competition. Students also study alternative energies and produce a prezzy to present the chosen alternative energy to the class.
Topics addressed:
Safe use of hand and power tools, Properties of materials, Structures and forces and Historical achievements. Alternative energy.

Year 10 Topics
Projects include:
Design and simulation of a rollercoaster using "No Limits" professional rollercoaster software. Here the students learn about forces, acceleration and braking. Next they will be designing and building a water tower out of balsa wood. This design is epoxied glued and then tested to destruction. The testing sequence is filmed and then the students make their own DVD and see exactly where their design failed. Finally the students design and build a mechanical toy that feature's pullies, cogs, gears leavers and linkages. This design can be based on any of Leonardo Da Vinci famous mechanical designs.
Topics addressed:
Sketching and Creo 3D modelling skills. Study of mechanical links to industry and Engineering report writing

Personal qualities required to complete this course:
- Enjoyment of working and developing skills with hand and power tools
- Constructing structures and experimenting with concepts of the engineered world
- Enjoyment of solid modelling software.

Skills developed during the course:
- WH&S
- Risk Management
- Material Properties
- Equipment, Tools and Machines for Construction
- Engineering Principles and Processes
- Links to Industry
- Engineering Design
- Societal and Environmental Impacts.
- Solid modelling skills

Related subjects in year 11 and year 12:
- Industrial Technology 2 unit
- Design and Technology 2 unit

Costs associated with the course:
$30 each year.

Industrial Technology- Multi-Media

Multimedia 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.

Practical projects should 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: computer animations, webpages.

Topics:

- WHS and Risk Management
- Materials
- Equipment, Tools and Machines
- Techniques
- Links to Industry
- Design
- Workplace Communication Skills
- Societal and Environmental Impact

Personal Qualities:

This course is designed for students with a genuine interest in web design and computer animations. Students must be independent workers and be prepared to develop webpages and animations in a project based environment.

Skills developed during the course:

- Gain knowledge about WHS issues relating to computers
- Competent user of software applications relating to web development and flash animation
- Keep pace with the changing world of technology
- Gain an appreciation of the effect computers have on society and in the workplace

Related Subjects in Year 11 & 12

- Information Processes and Technology (IPT)
- Industrial Technology- Multimedia
- Software design and development (SDD)
- VET I.T.

Costs Associated with this course:

Materials contribution: $60 per year.

Industrial Technology – Timber

Timber is a beautiful natural resource that can be shaped and joined to form an endless array of useful objects. Our workshops are very well equipped and the structure of the course allows for student input through CAD design and planning as practical skills are developed. The course has 70% of the outcomes based on practical experiences with 30% written and computer aided drawing.

Year 9 Topics
Projects include:
A tool carry, a dove tail box with a sliding lid & drawer, lathe turned spinning top, Speaker Box, lathe turned lidded bowls, Small carvings, lathe turned mallet, lathe turned rolling pin, lathe turned honey dipper, CAD drawing, CNC machining & laser printing
Topics addressed:
The safe use of hand tools and portable power tools, sustainability and recycling, design, form and function and growth of trees and timber conversion

Year 10 Topics
Projects include:
Folding stool, tool box with drawers, three legged table, lathed wooden bowl or platter, jewellery or A4 document box, speaker boxes, skateboards, folding book/ tablet stand, CAD drawing, CNC machining & laser printing
Topics addressed:
WH&S with the increased use of power tools, furniture design, use of veneers and finishing techniques, timber and forestry industry, sustainability and the environment

Personal qualities required to complete this course:
- Enjoyment of working & developing skills with hand tools, power tools and materials
- Working with timber
- Working in a team environment and being an Independent worker

Skills developed during the course:
- Cabinetmaking, wood lathe machining, carving and laminations
- Project development
- Creativity, design and functionality
- Appreciation of form and beauty of timber and the longevity of a good finish

Related subjects in year 11 and year 12:
- Engineering Studies 2 unit
- Industrial Technology 2 unit
- Design and Technology 2 unit

Costs associated with the course:
$30 each year.

Information & Software Technologies

Students in Year 9 and 10 will gain specialised knowledge of past, current and emerging technologies. Students develop information and software technology solutions through project work individually and collaboratively. The course has a substantial theoretical component. All the lessons are conducted in computer rooms.

Year 9 Topics

- Project Development
- Multimedia
- Internet and website development

Year 10 Topics
Include FOUR of the following themes:

- Robotics
- Network systems
- Database design
- Software development and programming
- Artificial Intelligence

Personal qualities required to complete this course:
This course is designed for students with a genuine interest in computer technology and its applications. Students who want to be challenged to meet the increasingly rapid changes in technology will find that Computer Studies has a particular relevance both to their current needs and future plans.

Skills developed during the course:

- Gain knowledge about how the computers work;
- Competent user of software packages that include word processing, spread sheets, databases and web development applications;
- Gain skills that will be transferable from one computer program to another;
- Create images using computer graphics;
- Have a go at programming using Visual Basic;
- Keep pace with the ever changing world of technology; and
- Appreciation of the effects computers have on society.

Related subjects in year 11 and year 12:

- Information Processes and Technology (IPT)
- Software Design and Development (SDD)
- Multimedia
- VET I.T.

Costs associated with the course:
Materials Contribution: $60 per year

Korean

The study of languages provides opportunities for students to become more accepting of diversity, more respectful of others and more aware of their place in the international community.

Year 9 Topics
The components of this course are:
Speaking, Listening, Reading and Writing
Students will cover a range of topics eg.
Meeting People, Shopping, Travel and Special Occasions

Year 10 Topics
The components of this course are:
Speaking, Listening, Reading and Writing
Students will cover a range of topics eg.
Eating out, Future plans and Sports

Personal qualities required to complete this course:
This course caters for students of all abilities. Knowledge, skills and attitudes developed by these students will have relevance to possible career paths especially in the business world and money market as well as general life experiences.

Skills developed during the course:
- Literacy
- Ability to communicate across cultures
- A better understanding of the student's own language
- Listening
- Speaking
- Reading
- Writing

Related subject in year 11 and year 12
- Korean Continuers 2 unit

Costs associated with the course:
Workbooks associated with the course.
Korean/English dictionary (recommended).

Music

Music as an elective subject offers a creative outlet to students who have demonstrated interest in performance and wish to develop their skills and understanding of the workings of music. Students undertaking the subject should be playing an instrument or singing outside of school and should be prepared to continue developing their performance, listening and composition skills.

Over year 9 and 10, students will have the opportunity to study a wide variety of topics including:

- Art Music of the 20th and 21st Centuries
- Music for Small Ensembles
- Jazz Music
- Australian Music

Students will also have the opportunity to choose their own topics at times throughout the course.

Personal qualities required to complete this course:

- Interest in Music
- Willingness to be involved in performance, listening and composition
- Good standard of instrumental or singing ability already
- Ability to work as part of a team
- Reliability and commitment
- Enthusiasm
- Desire to improve and achieve

Skills developed during the course:

- Team work
- Ability to communicate ideas and feelings through the medium of music
- Performance, listening and composition skills
- Self confidence

Related subjects in year 11 and year 12:

- Music 1 2 unit

***Please note:** it is important to already have instrumental or singing capability. If you are looking to do music in year 9 and do not currently play an instrument, now is the time to start!

Costs associated with the course:
$10 and relevant excursions.

Photography & Digital Imaging

If you enjoy taking Photographs, either DIGITALLY or with FILM, then you will experience an intensive investigation of **PHOTOGRAPHIC ART MAKING f**or 6 periods a cycle!

This subject will allow students to view, document and respond to their world in a unique way, building skills with a variety of cameras as well as examining a range of related photographers. Students will build a portfolio demonstrating their ability to take, print and present high quality interesting photographs including the use of post production software such as Adobe Photoshop.

Year 9 Topics
The Camera -Tools for Art Making
Cameras and composition
- Taking photographs on digital SLR cameras mobile phones and pin-hole cameras
- Wet photography – using the darkroom – cameraless photography
- Using enlargers
- Analysing and recording processes and practices

Lighting still images
- Creating and analysing traditional and contemporary practices

Year 10 Topics
Images-Tools for Manipulation
Methods of manipulation and abstraction
- Adobe Photoshop – Digital manipulation
- Darkroom manipulation and colour toning
- Multiple exposure
- Time settings on the camera

Moving image
- Creating and Analysing Digital Movie imagery and contemporary practices
- Editing and layering sound

Personal qualities required to complete this course:
- Creative and interested in Photography, Design and Visual Arts
- Able to analyse and resolve problems in an interesting way
- Ability to work in a sustained manner

Skills developed during the course:
- Creative problem solving and independent learning
- Portfolio development – developing a series of quality images
- Curatorial skills – understanding how to display and present artwork

Related subjects in year 11 and year 12:
- Visual Arts 2 unit
- Photography & Digital Imaging 2 unit

Costs associated with the course:
$75 each year and relevant excursions

Physical Activity & Sports Studies (PASS)

Physical Activity and Sports Studies incorporates a wide range of lifelong physical activities, including recreational, leisure and adventure pursuits, competitive and non-competitive games, individual and group physical fitness activities and the use of physical activity for therapy and remediation.

Year 9 Topics

- Body in Action – study of the human body including bones, muscles, joints and how we move
- Physical Fitness and You – study of fitness incorporating fitness testing and the FITT principle in preparation for competition (City2Surf)
- Super Coach – analysis of responsibility, styles and implementation. Unit includes practical application.
- Nutrition and physical activity – students consider the importance of diet and its role in Physical Activity and sports performance.
- Goal!!! – Fundamentals of movement skill.

Year 10 Topics

- Australia's Sporting Identity – student address the culture and traditions of sport in Australia
- Lifelong, Leisure, Recreation and Health– How do Australians spend their time, relax and what impact does this have on lifestyle?
- Technology and performance - students address the positive and negative Impact on Sport Performance
- Enhancing Performance Strategies and Techniques – study involves addressing the needs of athletes to enhance performance in a range of sports events/activities
- Outdoor Challenge – Preparing and participation in an outdoor challenge
- Practice, Precision and Participation
- Ultimate Frisbee

Personal qualities required to complete this course:

- Enthusiasm
- An interest in sport
- Responsibility
- Dedicated to attaining a high standard of skill development
- Motivated
- Enjoys working with others including peers and primary school students
- High levels of communication

Skills developed during the course:

- Work collaboratively
- Display management and planning to achieve personal goals
- Perform movement with increased proficiency
- Analyse and appraise information
- Team work
- Problem solving.
- Coaching

Related subjects in year 11 and year 12:

- PDHPE
- Sport Lifestyle Recreation
- Community and Family Studies

Costs associated with the course:

A $40 equipment contribution each year plus additional excursions/activities where applicable.

Textile Technology

Textiles Technology provides students with a broad knowledge of the properties, performance and uses of textiles. Students will be challenged to create and communicate their design ideas whilst learning practical skills.

Year 9 Topics
This course is divided into two components:
50% Practical and 50% Theory
- Design
- Properties and Performance of Textiles
- Textiles and Society

Focus Areas: - Textile Arts, Apparel, Furnishings and Non Apparel
Projects: - Beach Bags, Funky Pyjamas, Rag Doll Quilts and Fabric Memory Books

Year 10 Topics
This course is divided into two components:
50% Practical and 50% Theory
- Design
- Properties and Performance of Textiles
- Textiles & Society

Focus Areas: - Costume and Apparel
Projects: - Theatrical Capes, Casual Pants/Skirts and Formal wear

Personal qualities required to complete this course:
- Enjoy designing and creating innovative items from textiles
- Enjoy practically based activities as projects are a major component of this course
- Ability to apply themselves to a project and find satisfaction in seeing a completed product.

Skills developed during the course:
- Investigate and develop creative design skills and document in design portfolios
- Design and construct textile projects
- Learn different techniques of textile construction, giving attention to detail
- Identify a variety of fibres, yarns and fabrics and understand their applications

Related subjects in year 11 and year 12:
- Textiles Technology 2 unit
- Design and Technology 2 unit

Costs associated with the course:
$20 each year. Students will need to supply their own fabrics and patterns for each project.

Visual Arts

(Including elements of Photography and Digital Imaging)

Visual Arts is a way of responding to the world around you. Through Painting, Photography, Digital Imaging, Video Production, Sculpture, Drawing and Printing we can explore our experiences, thoughts and feelings and give them a visual form.

Visual Arts students are also finding that their skills learnt at school are of critical importance to their careers. In the age of information technology and the mass media being able to visually communicate using computers, DVD's, digital cameras, JPG's, MPG's and the internet are of fundamental importance.

Year 9 Topics
Art and Life – Examining the way art can express our thoughts and ideas
Digital imaging
Capturing the image, Using Photoshop and Exploring printing options
Drawing
Charcoal, Graphite, Pen and Ink and Brush and Ink
Painting
Acrylic, Gouache and Oil
Printing
Lino Block, Etching and Collograph
Examining Visual Art through the Frames of Reference, Artist Practice and Conceptual Framework.

Year 10 Topics
Urban Landscape – Decay and Rebirth
Digital manipulation of the image
Filters, Layers and composition and Exploring output files
Sculpture
Plaster bandage, Carving with aerated stone and Clay construction
Environmental sculpture
Exploring and changing the environment and Documenting in 2D, 3D and 4D (Time based) forms
Video production
Examining Visual Art through the Frames of Reference, Artist Practice and Conceptual Framework.

Personal qualities required to complete this course:
- Creative and interested in Visual Arts, Photography and Design
- Enthusiastic and dedicated
- Willing to explore a range of ways to express ideas

Skills developed during the course:
- Creative problem solving and independent learning
- ICT skills – online research, Adobe Photoshop, Premiere Pro and Illustrator
- Project Management – designing and resolving complex art making and Artwriting Projects

Related subjects in year 11 and year 12:
- Visual Arts 2 unit
- Photography and Digital Imaging 2 unit

Costs associated with the course:
$50 each year.

YEAR 9 SUBJECT SELECTION FORM

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SURNAME: _____FIRST NAME_____
THIS PAGE IS FOR YOU TO WORK OUT THE SUBJECTS YOU WISH TO SELECT

Please list, **in order of preference,** a total of 6 subjects (including 2 reserves). The 2 reserve subjects will only be allocated if necessary**.**

PREFERENCE	SUBJECT	COST
1		
2		
3		
4		
Reserve 1		
Reserve 2		

- Ensure you list 6 subjects
- Students cannot be guaranteed any subject. Subjects will only be offered if there are sufficient students who choose the course.

Parent/Guardian Name: _____

Parent/Guardian Signature: _____

Date: _____