

Illawarra Sports High School



Elective Information

TABLE OF CONTENTS

PRINCIPAL'S MESSAGE	5
YEAR ADVISER'S MESSAGE	6
SCHOOL CERTIFICATE REQUIREMENTS.....	7
BASIC CATERING – Z ELECTIVE.....	8
CHESS FOR STRATEGIC THINKING – Z ELECTIVE	9
COMMERCE	10
COMPUTING STUDIES - INFORMATION AND SOFTWARE TECHNOLOGY	11
DRAMA	12
DRAWING/VISUAL ARTS – Z ELECTIVE	13
ENGINEERING – Z ELECTIVE	14
ELECTRONICS	15
EXPLORING THE WORLD OF MATHEMATICS – Z ELECTIVE	16
FOOD TECHNOLOGY	17
FRENCH AND SPANISH 100 OR 200 HOURS.....	18
HISTORY – Z ELECTIVE	19
INDUSTRIAL ARTS PRO DESK TOP – Z ELECTIVE.....	20
INDUSTRIAL TECHNOLOGY JEWELLERY MAKING AND ART METAL – Z ELECTIVE	21
TEXTILES – Z ELECTIVE	22
INDUSTRIAL TECHNOLOGY METAL	23
INDUSTRIAL TECHNOLOGY WOOD.....	24
MANUFACTURING – CERTIFICATE 1 VET QUALIFICATION – Z ELECTIVE	25
MULTI MEDIA STUDIES (DESIGN & TECHNOLOGY).....	26
MUSIC	27
MUSIC – Z ELECTIVE.....	28
PHYSICAL ACTIVITY AND SPORTS STUDIES	29
READILY ACQUIRED GEOGRAPHY EDUCATION – Z ELECTIVE	30
THE ART OF SCULPTING.....	31
SCIENCE SPECIAL INTEREST COURSE – Z ELECTIVE.....	32
SINGING FOR FUN – Z ELECTIVE.....	33
TECHNICAL DRAWING.....	34
TEXTILES TECHNOLOGY.....	35
VISUAL ARTS	36
VISUAL DESIGN	37
WORK EDUCATION	38

Principal's Message

During your High School career, you have to make many important decisions, and one of these is to choose your Elective Subjects for study in Years 9 and 10.

To make the best choices, you need to:

Choose carefully. Your future depends on good choices;

Discuss your choices with your parents so that they will then be aware of any fees that apply to these Subjects;

Choose the Subjects that you will enjoy and in which you believe you will be successful;

Seek advice if you are not sure about any Subject;

Do not reject any subject just because you know nothing about it;

It is important to choose your own subjects, not the ones that your friends might want you to do;

Know that it is almost impossible to change your Electives in Year 9.

Your Junior Courses do not generally influence your subject choices in Years 11 and 12, but some courses do provide a helpful background.

The School has many people who can help you:

- The Careers Adviser, Mr S King
- Your Year Adviser, Mrs Haynes
- Your current teacher in any subject, and
- The Heads of each Subject Department.

Read this booklet thoroughly before you make your choices.

Dr P. Bailey

Principal

Year Adviser's Message

This booklet explains to Year 8 students and their parents, the Elective Courses which can be chosen at Illawarra Sports High School.

All students and parents are advised to read the booklet carefully before finalizing subject choices.

At the Parent Meeting, you can seek answers to any questions, and request further information from the Course Advisers.

Students will receive an elective choice form and must return this form to their Deputy Principal by Friday, 28 August.

If you hand your form in after that date, you will be allocated to classes after all other students.

When all selections are made, some subjects may be eliminated because too few students have chosen them. The students affected will be given a chance to choose another subject.

Mrs S Haynes
Year Advisor, Year 8

School Certificate Requirements

The Board of Studies requires that all New South Wales School Students follow the pattern of Courses outlined below.

- English
- Mathematics
- Science
- History and Geography
- At least two electives in Year 9 and 10
- Adequate experience in Physical Education, Visual Arts and Music

Illawarra Sports High School students choose three Electives for Year 9 and 10

The Electives chosen must be studied for both Year 9 and 10 to qualify for the School Certificate.

Choosing Your Subjects

This booklet aims to assist students in choosing of these three Electives (Elective X, Y and Elective Z). Details of all elective courses available are described on the following pages.

Please understand that only courses chosen by enough people to run a viable class will be offered.

All courses which are offered in Year 9, will be offered in Year 10.

Students might like to complete the table below to help them remember their choices

Elective Subjects

	First choice	Second Choice	Third choice	Fourth choice
Elective X				
Elective Y				
Elective Z				
TSP <i>Elective Z ONLY</i>	<hr/> (Sport)			

All students will select **two** subjects from the X and Y Elective. For the Z Elective, TSP students will be allocated their chosen sport. All other students will select four options for the Z Elective only.

Basic Catering – Z Elective

Course Advisors: Mrs J Newberry, Mrs B Evitt, Ms L Mahon, Mrs T McPherson, Mrs M Rower

Hospitality continues to be a growth industry worldwide and this course is an introduction to the basics of catering.

Practical food preparation is the focus of the course and you will learn about:

- Hygiene
- Food Poisoning
- Responsible Food Handling
- Food and the Law
- Occupational Health and Safety
- Food Preparation Techniques
- The Properties of Food
- Barista Skills
- Food as a Small Business
- Time Management
- Food Presentation
- Food Fashion
- Food Styling
- Nutritional Implications of Catering
- Menu Planning
- Dining Styles

Fees: \$25.00 per term

Requirements: Sturdy, closed in shoes, tea-towel, A4 folder

Chess for Strategic Thinking – Z Elective

Course Advisor: Mr M Payne

This course is designed to make chess easy. It is said to die without having learnt chess is like dying without having heard music.

This course is designed to learn to play well enough to enjoy it. Treated as a pastime, chess gives lasting pleasure because of its unending variety; students never tire of chess. But chess is more than a game. Chess is an art, chess is a study, chess is one of the noblest inventions of the human mind. Chess helps to mould character for it teaches equanimity in the face of good or ill fortune.

This course will teach strategic thinking, principles and practices that have both real and metaphoric application in any student's world.

Equipment will be provided. Opportunity to compete against other schools will become par the for course participants.

Fees: None

Requirements: Students selecting this course are advised they need only be of an open mind and prepared to be challenged.

Commerce

Course Adviser: Mr M Thompson

Course Structure:

- Year 9:**
- | | |
|----------------|---------------------------|
| A. Core Part 1 | - Consumer Choice |
| | - Personal Finance |
| B. Options | - A minimum of 3 from: |
| | - Promoting and selling |
| | - E Commerce |
| | - Political involvement |
| | - Travel |
| | - Community Participation |
| | - Investing |
-
- Year 10:**
- | | |
|----------------|---------------------------|
| A. Core Part 2 | - Law and Society |
| | - Employment Issues |
| B. Options | - A minimum of 3 from: |
| | - Global Links |
| | - Towards Independence |
| | - Law in Action |
| | - Our Economy |
| | - Running a Business |
| | - School Developed Option |

Commerce is about you, your money, your life choices and being an informed decision maker.

You will have the opportunity to:

- run your own business
- form a club and run it successfully
- develop an advertising campaign
- visits the courts
- hear interesting guest speakers
- develop life skills and become a good citizen
- become an informed consumer
- understand business and the workplace
- use the internet for researching commerce related issues
- develop problem solving and decision making skills to assist you when you leave school

Fees: None

Requirements: One Exercise Book or A4 loose-leaf folder

Computing Studies - Information and Software Technology

Course Adviser: Mr G Wykes

Information and Software Technology aims to develop students' knowledge and understanding, confidence and creativity in analysing, designing, developing and evaluating information and software technology solutions on computers.

The course consists of core topics which deal with the basics of information and software technology.

Students also study options in specialized areas which include: Artificial Intelligence, Simulation and Modeling, Authoring and Multimedia, Database Design, Digital Media, Internet and Website Development, Networking Systems, Robotics and Automated Systems, Software Development and Programming.

The course is practical in nature and students should expect to spend at least 60% of their time working on computers.

Fees: None

Requirements: Students selecting this course are advised they may need a USB Flash Memory Drive (Thumb Drive).

Drama

Course Adviser: Mr G Ibbett

The study of Drama for the School Certificate is both challenging and rewarding. Skills developed will assist students in all aspects of their lives, from simply giving confidence in daily life, to opening up a wide array of career opportunities.

You should consider Drama if some of the following interest you:

- Acting
- Set design and construction
- Make-up
- Costume
- Lighting
- Sound
- Music
- Theatre-sports
- Comedy
- Play-building
- Video
- Video Theatre visits Scriptwriting

The theoretical side of the Course aims to give students a broad understanding of Drama and Theatre through the ages. Students will develop an understanding of a diverse range of styles and cultures, from Greek Theatre to Post-modern performances. Students have the opportunity to study the role of theatre in Australian society as well, from Community Theatre to The Sydney Theatre Company.

Fees: None

Requirements: None

Drawing/Visual Arts – Z Elective

Course Advisor: Ms J Lukas

Would you like to draw?

The Z Elective Drawing course is a specialist course designed to teach drawing using a broad range of skills in a diverse range of media.

How do you create the illusion of 3D on a 2D surface? Come and learn.

All students begin with the fundamental skills of drawing. Forms vary from the built environment through to the human figure. The style of drawing will also vary from the highly realistic through to the abstract.

What style are you most competent with? Try them all!

The media explored includes the traditional pencils through to biro, felt tip pen, pastel and oil pastel. Mark making using non traditional tools like sticks is also an area of creativity explored here.

Be inventive in this course!

Create an impressive body of work that shows your skills and your individual interpretation of a task. Works are often displayed. You are an artist!

Included in your fees is an A3 sketchbook.

Fees: \$25.00

Requirements: Lead pencils, biro, felt tip pen, textas.

Engineering – Z Elective

Course Advisor: Mr D Mace

Engineering is a two year course of study.

Engineering covers a very broad range of topics. Every man made item that we use had been designed and engineered prior to it being manufactured.

Students will learn about engineering with a 'hands on' approach to engineering.

Course overview

Polymers and Plastics

Electronics – Fundamentals

Transport Systems

Lifting Systems – Construction

Aeronautical Engineering

Innovations

Electronics – Digital Electronics

Control Systems

Major Project

Includes several excursions including HARS Albion Park and HMAS Albatross as well as Futureworld Eco Technology Centre.

Fees: \$45.00 per year (excursions are an extra cost)

Requirements: Sturdy closed in shoes, A4 exercise book

Electronics

Course Adviser: Mr P Davies

Electronics is a two year Course of study.

The first semester of the course is spent in the Metal and Wood workshops using hand and power tools to make the tools and equipment they will need in the later Electronics Lobes.

In **the second semester** students will learn how to construct basic circuits, using various techniques such as "pin and rail". A variety of techniques will be used to make printed circuits. Students are introduced to basic electronic components and learn how to recognise and use the components in the appropriate place. Simple projects are undertaken.

In **Year Ten** students undertake a number of more advanced projects which require them to carry out research and design; to be able to solve various problems; to carry out fault finding procedures. The final task undertaken is a major project where students select a project of their own choice.

Although basically a practical subject, theory work will be given on a regular basis, to ensure students develop a sound theoretical knowledge to support the practical work being done. A special emphasis will be given to safety. All projects undertaken will be using low voltage, not 240 volt.

Fees:

Year 9: \$45.00

Year 10: \$25.00 plus the cost of Major Project

Requirements: None

Exploring the World of Mathematics – Z Elective

Course Advisor: Mr J Dawson

This course is designed for students who want to expand their already highly developed skills in Mathematics.

Students will have the opportunity to develop an appreciation of Mathematics and its applications in their every day lives and in the worlds of Science, Technology, Commerce, the Arts and employment.

The ability to make informed decisions, and to interpret and apply Mathematics in a variety of contexts, is an essential component of student's preparation for life in the twenty-first century.

Students considering studying either Mathematics (formerly 2 Unit) or Extension Mathematics in Years 11 and 12 are strongly recommended to select this course to be properly prepared for these courses in Senior School.

This course is offered as 2 separate 100 hour (1 year) courses in Year 9 and Year 10 (that is, a separate course in each year). Students can do either one or both of these courses.

The courses are based on the Stage 5 (5.3) course that leads towards the School Certificate but will also include a variety of optional interest components.

Topics include:

Year 9
Higher Algebraic skills
Right Angled Trigonometry
Proofs involving Coordinate Geometry
Geometrical proofs using Congruent and Similar Triangles
Data and Statistics
Surface Area and Volume of more involved figures
Higher Probability

Year 10
Surds
Inequations, Quadriatic and Simultaneous Equations
Non-right Angled Trigonometry, including Sine Rule, Cosine Rule and Area of a Triangle
Non-linear graphs
Circle Geometry
Curve Sketching and Polynomials
Functions and Logarithms

Students will have the opportunity to research using the internet and use computers and graphics calculators to explore concepts and branches of Mathematics not covered in the 'normal' year 9 and 10 Mathematics course.

Students will put some of the theory covered in class into action by attending an excursion to Luna Park as part of the 'Maths in Action' program and also Jamberoo Action Park to design their own activities.

Fees: None

Requirements: None

Food Technology

Course Advisers: **Mrs. J. Newberry, Mrs. B. Evitt,
Mrs. T. McPherson, Mrs. M. Rower.**

Food is a basic need, and this course focuses on food. Consumers are confronted by a vast array of food products in the marketplace and are continually involved in decision making. As lifestyles change due to economic, cultural, environmental and social factors, so do eating habits. It is important to have an understanding of food technology and nutrition principles in order to make sound decisions about food.

Course Overview

Year 9

- Food selection and health
- Food trends
- Food for special needs
- Food for special occasions

Year 10

- Food, service and catering
- Food in Australia
- Food product development
- Food preparation and processing

Fees: Year 9: \$20 per term
 Year 10: \$20 per term

Requirements: Sturdy, closed in shoes, A4 exercise book and a tea towel.

French and Spanish 100 or 200 hours

Course Advisor: Mrs C Campbell

You may choose either French or Spanish. No prior knowledge of the language is necessary.

In the past very few people in Australia studied foreign languages. Australia is an isolated country with no land borders with other countries; therefore the study of another language didn't seem to be relevant or necessary.

These days, with so many different cultures represented in Australia the attitude towards foreign language is changing. Europe is now a powerful trade force along with Asia and South America. Working knowledge of another language is now considered an asset in the workforce particularly in multinational companies, the tourism and hospitality industries, the armed forces and many other occupations.

The Courses

The courses focus on the spoken language; on the ability to understand and speak in the target language rather than reading and writing it.

Students will use a variety of DVD and other sound recordings to familiarise themselves with real life experiences that they will then be able to use well beyond their school years.

The courses are low in reading content and essay work; the focus is on practical speaking and understanding of the spoken language. However, students will be required to complete grammar and vocabulary exercises as well as reading comprehensions as part of the language acquisition process.

Fees: None

Requirements: None

You must indicate the language you wish to study.

History – Z Elective

Course Advisor: Mr R Baker

Modern and Ancient History are popular choices for students undertaking the HSC. This course aims to develop the historical skills of those students who may wish to study History in the senior school and to begin to teach the students to work more independently. The course is also designed to provide a range of creative and interesting activities across a range of intriguing historical topics.

The core of the course is **‘Forensic History’**, examining the skills that historians use to solve history’s greatest mysteries. These skills will then be incorporated into the study of further units which will focus on the students undertaking their own historical investigations of interesting and controversial topics. These will be selected by students in the course to ensure maximum student interest and relevance. These topics **could** include the study of:

- Heroes and Villians
- Terrorism and September 9/11
- Witchcraft
- Archeology in the Ancient World
- Slavery
- Children in History
- Sinking of the Titanic
- Jack the Ripper

The students will make extensive use of the internet, video and other visual sources to help bring these topics to life.

Fees: None

Requirements: None

Industrial Arts Pro Desk Top – Z Elective

Course Advisor: Mr Wenzl

Pro Desktop is a computer aided design program aimed at students who display an aptitude for mechanical and engineering drawing.

Topics covered include:

- Freehand sketching
- Finished drawings
- Renderings
- Three dimensional models

Fees: None

Requirements: None

Industrial Technology Jewellery Making and Art Metal – Z Elective

Course Advisor: Mr B Arnold

Jewellery making and Art Metal is a new course which provides opportunities for students to enjoy designing and making a range of individual jewellery and artistic metal pieces. This is a very enjoyable and satisfying elective for students who appreciate jewellery and have an artistic flare.

Course overview

Year 9

- Introduction to materials and jewellery making techniques.
- Design and make an artifact for a boy or girl.
- Design and make an artifact using a found object.

Year 10

- Visit a local art metal designer.
- Design and make an artifact with a recognised designers influence.
- Design and make a major project of own choice.

Fees Year 9: \$60
 Year 10: \$15.00 Term 1 & 2 + Cost of material for major project.

Requirements: Plastic sleeve display folder, a hair net (available from the school canteen)

Textiles – Z Elective

Course Advisors: Mrs L Mahon, Mrs T McPherson, Mrs M Rower,
Mrs J Newberry

Textiles is a creative art form. In this predominantly practical course you will learn basic textiles skills and experiment with fibres, fabric and paint. The materials for skill development will be supplied but you will have the freedom to select your own fabrics for individual projects. Folio work will record your techniques and experimentation. Use of found and recycled materials will be explored as an alternative to purchasing fabric for some projects. Projects to be constructed over the duration of the course will be negotiated with students in order to meet changing textile trends, student needs and abilities. However, it is anticipated that the following techniques and projects will be attempted:

Techniques:

- Machine skills
- Tie-dying
- Printing
- Embroidery – hand and machine
- Patchwork
- Applique
- Batik
- Knitting
- French Knitting
- Felting
- Marbling
- Chenille
- Cross Stitch

Possible Projects:

- Mobile phone sock
- Bag
- Hats
- Jewellery pouch
- Sunglasses case
- Soft toy e.g. teddy bear
- Tubular Beanie
- Knitted scarf or squares (rug)
- Fleece or chenilled throw rug
- Celebration decoration e.g. embroidered felt shapes for the Christmas tree
- Soft furnishings (eg. Cushion, quilt, doona cover, lampshade, table runner, placemats...)
- Leisure wear eg track pants and hooded top

Fee: \$15.00 per term

Requirements: Fabrics and notions for individual projects, A4 folder

Industrial Technology Metal

Course Adviser: Mr M Gerritsen

This course is mainly practical. Emphasis is placed on the use of hand tools, portable power tools and machinery to construct articles from a variety of materials, and the development of technical knowledge, design and planning skills. Instruction is given in the safe use of equipment.

In Year 10 students undertake a number of more advanced projects which require them to carry out research and design. The final task undertaken is a major project where they select a project of their choice.

Although basically a practical subject, theory work will be given on a regular basis, to ensure students develop a sound theoretical knowledge to support practical work being done. A special emphasis will be given to safety.

Students who choose Industrial Technology as their first and second choices will be able to select one or two courses, either Industrial Technology Wood, Industrial Technology Metal or Industrial Technology Electronics.

Fees: Year 9: \$45.00
 Year 10: \$35.00 plus the cost of materials for Major Project.

Requirements:

- Solid shoes must be worn.
- A hair net - available from the School Canteen
- An Industrial Arts Apron will be supplied.
- A 64 page Theory Book

Industrial Technology Wood

Course Adviser: Mr M Gerritsen

This course is mainly practical. Emphasis is placed on the use of hand tools, portable power tools and machinery to construct articles from a variety of materials, and the development of technical knowledge, design and planning skills. Instruction is given in the safe use of equipment.

In Year 10 students undertake a number of more advanced projects which require them to carry out research and design. The final task undertaken is a major project where they select a project of their choice.

Although basically a practical subject, theory work will be given on a regular basis, to ensure students develop a sound theoretical knowledge to support practical work being done. A special emphasis will be given to safety.

Students who choose Industrial Technology as their first and second choices will be able to select one or two courses, either Industrial Technology Wood, Industrial Technology Metal or Industrial Technology Electronics.

Fees: Year 9: \$45.00
 Year 10: \$35.00 plus the cost of materials for Major Project.

Requirements:

- Solid shoes must be worn.
- A hair net - available from the School Canteen
- An Industrial Arts Apron will be supplied.
- A 64 page Theory Book

Manufacturing – Certificate 1 VET Qualification – Z Elective

Course Advisor: Mr D Mace

Students who successfully complete all aspects of the 100 hour course will be eligible for a Certificate 1 in Manufacturing. The course in Manufacturing provides a method for students seeking to obtain an entry point towards gaining a trade qualification or seeking entry to TAFE. Students will learn about manufacturing with a theoretical and practical 'hands on' approach. This course will allow you to gain competencies that are used in industry and are Australian Qualification Framework certification.

Course Overview

There are three compulsory units of competency

1. Industry work requirements
2. Effective work practices
3. Demonstrate care and apply safe practices at work.

Units of competency that can be undertaken are in either Timber or Metal.

Timber Specialisation – Making a small furniture item in wood.

- Units of competency electives
- Operate a basic woodworking machine
- Use furniture making sector hand and power tools
- Assemble furnishing components
- Select and apply hardware
- Join solid timber

Or

Metal Specialisation – Make an object in metal

- Perform manual production assembly
- Perform manual heating and thermal cutting
- Perform routine manual arc welding
- Use hand tools
- Use power tools/hand held operations

Other specialisations may include; Estimation and costing, undertake manual handling, interact with computing technology, use equipment, make measurements, perform tasks to support production and layout and cut materials.

Fees: \$45.00 per year

Requirements: Sturdy closed in shoes, A4 exercise book, hairnet.

Multi Media Studies (Design & Technology)

Course Adviser: Mrs B Hassen

Its focus is the production of multi-media resources in line with commercial industry standards.

The Course caters for students who wish to learn about the production of multi-media using a variety of software programs. These include:

Microsoft:	Publisher, Access, Moviemaker™
Adobe:	Photoshop, Image Ready
Macromedia:	Dreamweaver MX, Flash MX
	Film Editing Director, Studio 10

Core Modules are compulsory:

- Introduction to multi-media formats
- Desktop Publishing
- Audio Production
- Production and Editing of Video
- Film Making 1

Three Optional Modules must also be studied

Graphic Enhancement	or	Digital Animation
Sub-titling & voice-overs	or	Electronic Books
Web Design	or	Online Marketing

All resources produced may be used for promotional material in the school.

Fees: None

Requirements: Students selecting this course are advised they will need a USB Flash Memory Drive (Thumb Drive).

Music

Course Adviser: Mrs D Haise

This course is designed for students seeking to build on, or extend, their experience in music from Year 7 and 8.

Learning experiences are offered in the areas of Performing, Composing and Listening.

A practical approach to the study of music is used in the classroom.

These learning experiences and concepts are taught within the context of topics studied, including one compulsory topic Australian Music, and three elective topics such as Popular Music, Music from an Historical Period and Music of another Culture.

Students are encouraged to learn a musical instrument as part of this course. Some instruments can be borrowed from the school and practice facilities are available.

Excursions designed to expose students to live music making, especially music theatre, are regularly offered as extension activities for students interested in broadening their experiences.

Elective music provides many opportunities for students that are interested in developing their skills and deepening their knowledge of the truly universal language.

Fees: \$10.00

Requirements: None

Music – Z Elective

Course Adviser: Mrs D Haise

Music Practical

This course is for those students who enjoy the thrill of playing a musical instrument.

The course uses a 'hands on' approach to music making. During class, you will learn to play songs on your chosen instrument: guitar, keyboard, voice, drums and flute.

As you practice the songs, you will be developing your playing technique as well as having the opportunity to 'jam' as part of a group or band.

Opportunities will be made available to go on excursions to hear live music being performed.

Although having some experience on your chosen instrument is preferred, this is not a pre-requisite

Fees: None

Requirements: None

Physical Activity and Sports Studies

Course Adviser: Mrs R Pettit

Physical Activity and Sports Studies (PASS) is an extension of the learning in the PDHPE key learning area. The course caters for a wide range of student abilities and interests and delivers its content through a mix of practical and theoretical activities.

PASS will cater particularly well for the Targeted Sports students who participate in sport at elite levels and who are interested in understanding the foundations of their movement, and are concerned about improving their performances.

PASS will prepare students who are considering a career in the fitness industry.

Course Content

- Anatomy and Physiology
- Fitness Assessment
- Skill acquisition
- In-depth sports studies
- Sports Coaching
- Technology in sport
- Food for sport
- Current issues in sport
- Sports injuries
- Sport in Australia
- Recreation studies
- Technology in exercise and sport

Fees: None

Requirements: None

Readily Acquired Geography Education – Z Elective

Course Advisor: Mr M Thompson

The Readily Acquired Geography Education (RAGE) Course equips students with the ability to engage, in an informed manner, with the world and the issues currently confronting it.

Students will gain knowledge, the development of values and opinions and a better understanding of world issues.

The course is based on the following themes – Religion, Politics, Human Rights, Tourism, Sport, Natural Disasters and Gender.

Students will use a variety of means – media investigation, guest speakers and internet research to answer the following questions.

- What is it?
- Where is it?
- Why is it happening?
- What are the effects of it happening?
- What impact will it have over time?
- What should/could be done about it?

Fees: None

Requirements: None

The Art of Sculpting – Z Elective

Course Advisor: Ms J Lukas

Sculpture is making artworks in 3D. Have you ever made cartoon characters, mythical creatures, animals, boxes, people, masks, funky containers, jewellery, vessels, garden sculptures, hanging objects or wall decorations?

In this course students will explore how to make objects out of different materials. These include clay, paper mache, cardboard, wire and mixed media. Don't forget recycling!

A variety of skills will be learned in the building of these forms. Students will learn to express themselves using ideas they have developed in selected media.

The opportunity to be inventive is here. You will be creating an impressive body of diverse works that clearly demonstrate your skill and creativity. The exhibition of the completed forms is part of this course. Look forward to seeing your works in public.

An A3 sketchbook is included in the course fees.

Fees: \$25.00

Requirements: None

Science Special Interest Course – Z Elective

Course Advisor: Mr B Balange

The Physics of Flight

Students will use experimental methods to explore flight. Through the use of model flying machines, investigate the physics of flight. Students will build flying machines and experiment with times of flight and performance. Excursions are planned to the local airport to investigate the recreational and commercial side of flying.

Industrial Chemistry

Use laboratory techniques to accurately measure reactants and produce chemical reactions that are used in industry to produce products commonly used in society. ***New Directions (Australia)*** is a business designed to provide a range of natural, organic and certified organic products to consumers.

Students will be able to process a range of these ingredients via laboratory techniques to produce products desirable to consumers. Laboratory practices (weighing, measuring, mixing, temperature control etc.) and a sound understanding of laboratory techniques will be necessary for the manufacturing of a quality product.

Approved product recipes, ordering of raw materials and product packaging are available via the New Direction's website.

This unit of work would include the following.

Theory

Product terminology

Classification of ingredients – Natural, Nature Identical, Naturally Derived, Organic, Organically Certified

Practical

Examples of products

- Soaps (saponification)
- Lip Gloss/Lip Balm
- Hand creams
- Dusting Powder
- Bath bombs/crystals
- Pet Care products

The skills and chemical knowledge developed in this course will be very useful in the senior chemistry course in Years 11 and 12.

Microscopy

Students use senior microscopes to investigate the incredible world of the microscopic. Use special techniques to prepare slides to enhance magnification and resolution. The skills and microscope knowledge developed in this course will be very useful in the Senior Biology course in Years 11 and 12.

Australian Ecology

Undertake field studies to investigate flora and fauna in the Australian bush. Measure the environment and keep computer records. Local ecosystem sampling including waterways and Lake Illawarra. Work towards improvement of the ecosystem through bush regeneration simulating native flora and fauna.

Fees: \$140.00

Requirements: None

Singing for Fun – Z Elective

Course Adviser: Mrs D Haise

This elective is for those students who love to sing. You will learn to sing songs as part of a group. You will learn to sing both melody parts and harmony parts. You will also learn about singing techniques to develop your voice.

Piano accompaniment and backing tracks will be available to use with your favourite songs.

Opportunities to see musicals on excursions will also be part of the course.

Fees: None

Requirements: None

Technical Drawing

Course Adviser: Mr M Payne

Technical Drawing is a subject studied in Years 9 and 10, which provides a means of communicating ideas and information in graphical form.

The Subject promotes a greater understanding of both simple and complex technical information.

Topics covered include:

- Plane geometry
- Engineering drawing
- Isometric, Oblique and other forms of pictorial drawing
- Mechanical Perspective
- Survey and Architectural drawing
- Contemporary Graphics Computer Aided Drafting.
- 3D modeling using Computer Aided Drafting (Pro desktop)

Fees: Students/parents are expected to purchase a drawing instrument kit from the school. The cost of the kit is \$40, and a further \$20.00 in year 10 to cover the cost of OzGas cars.

Each student will receive a free licensed copy of Pro desktop Version 8 to load on the home computer as an aid to homework and private study.

These instruments form the basis of the student's drawing equipment for the continuation of Technical Drawing into Year 10

The Kit contains –

- Master bow compass
- No 8 set squares
- Rule – cello T105
- Line gauge
- Circle template
- Drawing board clips
- 0.5mm clutch pencil
- Erasing shield
- Rastoplast eraser
- A3 technical drawing folder

Textiles Technology

Course Adviser: Ms L Mahon, Mrs T McPherson, Mrs M Rower, Mrs J Newberry

Textiles Technology provides knowledge and skills in design and manufacture, and an understanding of the use of textiles in everyday living.

Through a study of the three areas below, students will develop problem solving skills, whilst being encouraged to be inventive, imaginative and expressive through practical, written, oral and graphic forms.

Areas of study:

- Fibres, yarns, fabrics and their uses
- Design and construction - Selecting appropriate methods and equipment to make textile items such as apparel, textile arts and non-apparel.
- The importance of textiles in meeting people's needs.

Fees: \$10 per term due by the fifth week of each term. Fees cover the costs of pattern paper, fabric for samples, needles, thread, tracing paper and fabric paint.

Requirements: A 190-page A4 exercise book, fabric, pins, thread, and notions for articles to be constructed.

Visual Arts

Course Adviser: Ms J Lukas

1. Making Artwork - Practical Component (60%)

Experiences involving exploration and experimentation of different techniques and approaches to the creative process to enable the students to develop creative art works.

Year 9 Semester 1

- Sculpture with developmental work in a Body of Work.

Year 9 Semester 2

- Painting with developmental work in a Body of Work.

Year 10 Semester 1

- Folio of Work. A collection of students work in a range of selected media that portrays a variety of exploratory two dimensional techniques.

Year 10 Semester 2

- Self Determined Body of Work in a chosen media

2. Study of Images and Objects (40%)

The development of appreciation, critical awareness and the understanding of artworks in a historical context related to the student's practical work.

Equipment Required:

- Large sketchbook, 2B pencils, art eraser, and ruler

Fees:

\$30.00 per year includes a sketchbook for the two year course. Payment is due by Week 4, Term 1.

Requirements: None

Visual Design

Course Adviser: Ms J Lukas

Publication design, advertising, illustration and cartooning, multimedia, digital works, textile design, clothing, structures and environments, packaging, furniture design, stage design, graphic design and printing, ceramic (clay) containers, are some of the units of work that are possible in this course. Experiences involve exploration and experimentation of design techniques and approaches to the creative process (designing and making images and objects) to enable students to understand the world of design so that they can make original works.

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

1. Making designs - Practical Component (60%)

Year 9 Semester 1

- Introduction to design elements and principles with development of a folio of work.

Year 9 Semester 2

- Introduction of design briefs with the development of a product design folio involving digital and two dimensional components.

Year 10 Semester 1

- Folio of work. A collection of student's work in a range of selected designs that displays a variety of artistic techniques.

Year 10 Semester 2

- Individual/collaborative design project

2. Understanding designs - Theoretical Component (40%)

The development of appreciation, critical awareness and the understanding of artworks in a historical context related to the student's practical work.

Equipment Required:

- Large sketchbook, 2B pencils, art eraser, and ruler

Fees:

\$30.00 per year includes a sketchbook for the two year course. Payment is due by Week 4, Term 1.

Work Education

Course Adviser: Mr M Thompson.

This is a practical life skills course, preparing students for participation in the workplace and broader community.

The work education course will allow students to develop:-

- Skills in employability
- Communication that relates to the world of work
- Values and appreciation of the importance of being a contributor to the workplace
- Ethical, responsible and accountable ;practices at work.

Course Content- Samples include –

CORE

- Joining the workforce
- Workplace safety
- Workplace rights and responsibilities
- Exploring post school options
- Technology and communication

OPTIONS

- Workplace communication
- Contemporary workplace issues
- Managing finances
- Government initiatives.

Fees: None

Requirements: None

