

JUNIOR  
CURRICULUM  
PATHWAYS  
YEARS 9 - 10  
2012



MACKSVILLE HIGH SCHOOL

# INTRODUCTION

## 1. WHAT ARE KEY LEARNING AREAS (KLA'S)

Key Learning Areas, or **KLAs** for short, are the names given to each of our subject areas within the school. These are the same state wide. There are **EIGHT KLAs** and each one looks after a number of subjects. They are

Key Learning Areas
CREATIVE ARTS
ENGLISH
HUMAN SOCIETY AND ITS ENVIRONMENT
LANGUAGES OTHER THAN ENGLISH
MATHEMATICS
PERSONAL DEVELOPMENT/HEALTH/PHYSICAL ED.
SCIENCE
TECHNOLOGY AND APPLIED STUDIES

## 2. COMMON TERMS

- 1) COURSE DESCRIPTION:** This tells you what the course is about. You **MUST read this carefully before you choose or elect a course.** This is a brief outline of what will be covered in the course
- Some courses will tell you what is required of each student studying that course. These are called expected **OUTCOMES.**
- 2) ASSESSMENT:** This tells you HOW the course will be assessed.
- 3) COURSE REQUIREMENTS:** This section includes an indication of possible costs or special requirements which may be involved. Students need to consider these **before** electing the course.
- 4) COURSE CONTRIBUTIONS:** The subject contribution is determined after consultation with the school community to assist with the provision of consumables that an individual student is expected to use during the particular subject. If parents are experiencing difficulties, the school offers several options. An arrangement for the contributions to be paid by instalment can be made.

This position is consistent with the Department of Education & Training (DET) policy which states: "Schools may charge students for the purchase of materials used in particular subjects. Parents who cannot pay for elective subjects because of financial hardship may be eligible for assistance from the Student Assistance Scheme or other appropriate sources". A statement on Voluntary School Contributions, including Subject Contributions may be found on the DET website at:-

[www.schools.nsw.edu.au/gotoschool/a-z/voluntarycontributions.php](http://www.schools.nsw.edu.au/gotoschool/a-z/voluntarycontributions.php)

For parents who are not willing to pay the course fee, their child can:

- Provide the consumables from home; or

- Undertake a more elementary program of work. The same course outcomes will be experienced, however, the range of consumables may be re-assessed;
- Advise their children to select a subject that does not have a subject contribution requirement.

### 3 CHOOSING MY SUBJECTS

#### 4.1 WHAT SUBJECTS MUST I DO?

There are some subjects you **MUST** complete in order to gain a School Certificate at the end of Year 10. These subjects are listed in the table below:

<u>If you will be in Year 9 or Year 10 then you <b>must</b> do the following subjects</u>		
English	8	periods/cycle
Maths	8	
Science	8	
History	4	
Geography	5	
PD/H/PE	4	
Sport	4	
Scripture *	1	
<u>Electives</u>	<u>18</u>	
<u>TOTAL</u>	<u>60</u>	

**Everyone MUST DO 60 periods a cycle (i.e. each 2 weeks).**

*\*Scripture is optional and students can withdraw to do supervised work in the library with written parent/guardian permission.*

#### 4.2 WHAT SUBJECTS CAN I CHOOSE?

The rest of this booklet describes the elective subjects which you can choose from to make up these 18 periods.

In some subjects you will have to do 200 hours or 2 years to achieve a School Certificate in that subject. In some other subjects you only need to do 100 hours or 1 year to achieve this.

**No matter what elective subjects you choose the following RULES must be followed:**

- 1. No matter what subject you choose you must complete one full year.**
- 2. If you wish to study a subject for 100 hours you will complete the 100 hours in either all of Year 9 or all of Year 10.**

**You need to study a minimum of 200 hours over Years 9 & 10 to complete School Certificate requirements.**

# ABORIGINAL STUDIES

## **COURSE NAME:     ABORIGINAL STUDIES 1 - MODULE 1    (100HRS)**

### **COURSE DESCRIPTION:**

A course providing students with opportunities to investigate a wide range of issues relating to Aboriginal Cultural Identity and Expression. Students may either study Core, Part 1 – Aboriginal Identities, or Core, Part 2 – Aboriginal Autonomy, and a minimum of **three** options **OR** Core Part 1 **and** Core Part 2 with a minimum of **two** options. In both core and options, there is a case study requirement.

### **OPTIONS (15-25 indicative hours each)**

- |   |  |
|---|--|
| 1. Aboriginal Film and Television         | 6. Aboriginal Visual Arts                                  |
| 2. Aboriginal Performing Arts             | 7. Aboriginal Enterprises and Organisation                 |
| 3. Aboriginal Peoples and Sport           | 8. Aboriginal Technologies and the Environment             |
| 4. Aboriginal Oral and Written Expression | 9. Aboriginal Interaction with Legal and Political Systems |
| 5. Aboriginal Peoples and the Media       | 10. School – Developed Option                              |

### **EXPECTED STUDENT OUTCOMES:**

1. Describes the factors that contribute to an Aboriginal person's identity
2. Explains adaptations in, and the changing nature of, Aboriginal cultural expression across time and location
3. Assesses the significance of contributions of Aboriginal peoples to Australian society.

**ASSESSMENT:**     Case Studies, Oral Presentations, Bookwork, Tests

**REQUIREMENTS AND CONTRIBUTIONS:**     Possible small cost for excursion or guest speakers

## **COURSE NAME:     ABORIGINAL STUDIES 2    (100HRS)**

**PRE-REQUISITE:**             Nil

### **COURSE DESCRIPTION:**

A course providing students with opportunities to investigate Aboriginal autonomy and identity, and familiarising students with the nature of local Aboriginal communities and the diversity of their culture. Students are required to study Core Part 1 – Aboriginal Identities and Core Part 2 – Aboriginal Autonomy with a minimum of **six** options.

### **OPTIONS (15-25 indicative hours each)**

- |   |  |
|---|--|
| 1. Aboriginal Film and Television         | 6. Aboriginal Visual Arts                                  |
| 2. Aboriginal Performing Arts             | 7. Aboriginal Enterprises and Organisation                 |
| 3. Aboriginal Peoples and Sport           | 8. Aboriginal Technologies and the Environment             |
| 4. Aboriginal Oral and Written Expression | 9. Aboriginal Interaction with Legal and Political Systems |
| 5. Aboriginal Peoples and the Media       | 10. School – Developed Option                              |

### **EXPECTED STUDENT OUTCOMES:**

1. Explains ways in which Aboriginal peoples maintain their identity
2. Describes the dynamic nature of Aboriginal cultures
3. Explains the importance of families and communities to Aboriginal peoples

**ASSESSMENT:**     Case Studies    Oral Presentations     Bookwork     Tests

**REQUIREMENTS AND CONTRIBUTIONS:**     Possible small cost for excursion or guest speakers

## HUMAN SOCIETY, INTERNATIONAL STUDIES

### (‘AN EXCITING YR 9 AND/OR YEAR 10 OPTION’ 100 HOURS)

Cultural Discoveries is a new and exciting course providing students with an International perspective and appreciation for the diversity of cultures within Australia and the differences from their own local life experiences.

Its aim is to promote a greater understanding of cultures within Australia and our neighbours through hands on practical approaches and encounters.

**COURSE PREREQUISITES:** Nil

**COURSE INCLUDES:**

1. Cultural Tourism
2. International Cuisine (Food)
3. Dance and Art
4. Traditions, manners, stereotypes
5. Sporting Cultures
6. Family Life
7. Cultures within Australia
8. Gender Differences
9. Fieldwork Year 9 Sydney Expedition  
Year 10 Cultural Festival

**ASSESSMENT:** Practical – cooking/dance; Fieldwork; Tests

Cultural Discoveries prepares students for becoming citizens of the future in a culturally diverse Australian Society and the Year 11/12 Society and Culture 2 Unit Course.

## COMMERCE

### (100 HOURS IN YEARS 9 OR 10)

The aim of this course is to enable young people to develop the knowledge, understanding and skills to research and develop solutions to consumer, financial, legal, business and employment issues in order to make informed and responsible decisions as individuals and as part of the community.

**COURSE PRE-REQUISITES:** NIL

**COURSE DESCRIPTION:**

This course involves the study of Core and Options:

**Core:**

Part 1:

1. Consumer Choice
2. Personal Finance

Part 2:

3. Law and Society
4. Employment Issues

**Options:**

- |                                   |                             |
|-----------------------------------|-----------------------------|
| 1. Investing                      | 7. Travel                   |
| 2. Promoting and Selling Products | 8. Law in Action            |
| 3. E Commerce                     | 9. Our Economy              |
| 4. Global Links                   | 10. Community Participation |
| 5. Towards Independence           | 11. Running a Business      |
| 6. Political Involvement          | 12. School-developed Option |

**ASSESSMENT:** Tests, Assignments, Bookwork, Fieldwork.

**REQUIREMENTS/CONTRIBUTIONS:** Some costs (small) associated with excursions and competitions.

This course will lead into HSIE based courses including Business Studies, Legal Studies, Economics and Business Services.

# FOOD TECHNOLOGY

## **COURSE NAME:    FOOD TECHNOLOGY 1 (100 hours) Year 9 or Year 10**

**PRE-REQUISITE:** Nil This course is designed to build on the Technology (Mandatory) Year 7-8 course.

Students will be required to do practical activities, cooking every cycle, to enhance the selected core and content of these focus areas:

**Semester 1:**            Food Selection for Health  
                              Food for Special Needs  
**Semester 2:**            Food Service and Catering  
                              Food for Special Occasions

**EXPECTED STUDENT OUTCOMES:** Students will develop -

- Knowledge and understanding of nutrition and consumption of food
- Skills related to food preparation, evaluation, computer diet analysis.

**ASSESSMENT:** Knowledge and understanding, including research, reports, classwork, tests 50%. Practical Skills including food preparation and processing, hygiene and safety, evaluation, communication tasks, information technology skills 50%

**REQUIREMENTS/CONTRIBUTIONS:**    \$50.00 (\$25.00 per semester), apron, sturdy covered shoes

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## **COURSE NAME:    FOOD TECHNOLOGY 2 - YR 10 STUDENTS ONLY**

**PRE-REQUISITE:** Satisfactory completion of Food Technology 1 in Year 9

**COURSE OUTLINE:**            Core of            Nutrition and Consumption  
   Food Preparation and Processing  
Involving development of Food Preparation Skills while covering these focus areas.

**Semester1:** Food Trends  
                              Food Product Development  
**Semester2:** Food in Australia  
                              Food for special Occasions

**EXPECTED OUTCOMES:** Students will develop

- Skills in designing and producing foods for a variety of situations
- Knowledge and understanding of food choices, consequences of health, the role of food in society and career options.

**ASSESSMENT:** Research, reporting, classwork, homework, test 50%  
                              Practical food preparation, ICT skills, evaluation 50%.

**REQUIREMENTS/CONTRIBUTIONS:** \$50.00 (\$25.00 per semester), apron, sturdy covered shoes

# CHILD STUDIES

**COURSE NAME:**    **CHILD STUDIES**    **YEAR 9 AND/OR 10**  
**(100 HRS OR 200 HRS)**

## **COURSE DESCRIPTION**

This course focuses on the need and total development of a child from conception to 12 years of age.

## **EXPECTED STUDENT OUTCOMES**

Students should be able to:

- i)      Develop knowledge and understanding about prenatal development, importance of health, making informed decisions, birth, and physical, emotional, social and intellectual development of children.
- ii)     Develop skills in communication and experience associated with 'virtual parenting'.
- iii)    Develop an understanding of the rights and responsibilities of parenthood.

<b>ASSESSMENT:</b>	Testing	30%
	Research/Reports/Practical Tasks	70%

**REQUIREMENTS/CONTRIBUTIONS:**    \$10.00 yearly.

# TEXTILES TECHNOLOGY

## **COURSE NAME: TEXTILES TECHNOLOGY 1 (100hrs) Year 9 or Year 10**

The study of Textiles Technology provides students with the knowledge of textiles in which fibres, yarns, fabrics and colouration are included. Students experience the properties of textiles with use in project work, making use of technology to design, produce and document their work.

### **EXPECTED STUDENT OUTCOMES**

Developing skills and confidence in the use of a range of textiles materials, equipment and techniques to complete projects. Textile projects will give the opportunity to be creative, independent, and encourage decision-making, expression of ideas and opinions. Students will gain an understanding of the historical and cultural uses of textiles and how these influence contemporary designers.

### **COURSE CONTENT:**

**Areas of Study - Includes:** Design, Properties and Performance of Textiles, Textiles and Society

**Project Work:** Designing and Producing Practical items with documentation of this work.

A **minimum of two** units from these Focus Areas

- Apparel
- Furnishings
- Costume
- Textile Arts
- Non-Apparel

**ASSESSMENT:** Project Work and Documentation – 70%

\*Documentation may include digital portfolio, design folio, journal, workbook or other appropriate method.

Testing - 30%

**REQUIREMENTS/ CONTRIBUTIONS :** \$20 per year, plus, students to provide their **own fabric** for project work. Sturdy covered footwear.

## **COURSE NAME: TEXTILES TECHNOLOGY 2 Year 10 only**

**PRE-REQUISITE:** Satisfactory Completion of Textile Technology 1 in Year 9.

Students will extend their knowledge and skills from Year 9 to complete project work, developing competency, confidence and career options.

**ASSESSMENT:** Will be based on:

- Research, Project Work and Documentation - 70%
- Testing 30%

**REQUIREMENTS/CONTRIBUTIONS:** \$20.00 per year, plus students to provide own fabric for project work. Sturdy covered footwear.

**INDONESIAN**



## **COURSE NAME:                    INDONESIAN 1**

**PRE-REQUISITES:** Nil

### **COURSE DESCRIPTION:**

The course is an introductory unit that expands on the Year 7 course although it is not necessary to have first attempted Introductory Indonesian. Vocabulary, daily routines, shopping and bargaining, activities of teenagers, customs and traditions, life in Bali will be included in topics. Use of computers and cooking is part of units. Optional student excursion is included.

**EXPECTED OUTCOMES:** As a result of studying this course students should be able to:

- i) learn to appreciate cultural differences
- ii) communicate effectively in spoken Indonesian
- iii) discuss family and daily routine in Indonesian
- iv) complete a research project on a cultural topic

<b>ASSESSMENT:</b>	Topic tests	40%
	Practical Communication (speaking & listening)	30%
	Assignments (reading & writing)	30%

**REQUIREMENT/ CONTRIBUTION:** \$5 for practical lessons (food etc.) Sometimes costs for workshops (eg. gamelan music or pencak silat martial arts or puppet making etc.)

## **COURSE NAME:                    INDONESIAN 2 (YEAR 10 STUDENTS ONLY)**

### **COURSE DESCRIPTION:**

This unit looks at Indonesian life in greater depth and is necessary as a base for more fluent communication. Topics studies include holidays, free time and leisure as well as every day situations. Student excursions are included along with dance, cooking and music.

### **EXPECTED OUTCOMES:**

As a result of studying this course students should be able to:

- i) have an awareness of the link between language and culture.
- ii) Converse on a variety of topics
- iii) Have an understanding of cultural differences
- iv) Have an understanding of Indonesian grammar.

<b>ASSESSMENT:</b>	Topic tests	40%
	Practical Communication (speaking/listening)	30%
	Assignments (reading & writing)	30%

**REQUIREMENT/ CONTRIBUTION:** \$5 for practical lessons (food etc.) Sometimes costs for workshops (eg. gamelan music or pencak silat martial arts or puppet making etc.)

**VISUAL ARTS**

To complete 200 Hrs in Visual Arts means students must successfully complete Art 1 **and** Art 2

**OR**

**Successfully complete Art 1 and Ceramics 1**

**COURSE NAME:**                      **ART 1**

**PRE-REQUISITE:** Nil

**COURSE DESCRIPTION:**

Art, in a variety of mediums, has been used to create illusions, to transform surfaces and to communicate ideas and feelings. You will explore the visual qualities, techniques, scale and forms of: drawing, painting, printmaking and sculpture. You will consider how a variety of 2-Dimensional and 3-Dimensional forms can be combined with mediated images. You will also explore the ways in which other artists, in both historical and contemporary contexts, have communicated their ideas and feeling through art making.

**EXPECTED STUDENT OUTCOMES:** As a result of studying this course students should be able to:

- i) Use a variety of media to communicate ideas and feelings;
- ii) Use equipment, tools and materials safely and appropriately;
- iii) Research and develop design ideas as they relate to, and reflect their studies of other artists and cultures in both historical and contemporary contexts.

<b>ASSESSMENT:</b>	Studying Art	25%
	Making Art	55%
	Visual Art Process Diary	20%

**REQUIREMENT/CONTRIBUTIONS:** \$30.00 per course plus Visual Art Process Diary

**COURSE NAME:**                      **ART 2**

**PRE-REQUISITES:** Art 1

**COURSE DESCRIPTION:**

This course will extend onto the experiences of the Art 1 Course. You will explore the ways in which other artists have communicated their philosophies and feeling through both modern and contemporary times. You will develop the language of art, and critical, evaluative responses to the art making of others and of ones own work. By the end of this course you should be able to design and create art works, which reflect your own ideas and feelings in a medium of your choice.

**EXPECTED STUDENT OUTCOMES:**

As a result of this course students should be able to:

- i) Research and design in an individual way;
- ii) Understand the processes of art making in both historical and contemporary contexts;
- iii) Show an understanding of both 2-Dimensional and 3-Dimensional forms of art making;
- iv) Use tools, equipment and mediums both safely and appropriately.

<b>ASSESSMENT:</b>	Studying Art	25%
	Making Art	60%
	V.A.P.D. (Visual Art Process Diary)	15%

**REQUIREMENT/CONTRIBUTIONS:** \$30.00 per course plus Visual Art Process Diary

## **COURSE NAME:            CERAMIC DESIGN 1**

**PRE-REQUISITES:** Nil

### **COURSE DESCRIPTION:**

Students will be introduced to Pottery technologies, construction methods and surface treatments and decoration approaches in both hand-built and wheel thrown ceramics. Design of both functional and decorative objects will be explored and put into practice. The study of ceramics in both traditional and contemporary context will help promote the development of a personal creative language translated into ceramic forms by the students.

### **EXPECTED STUDENT OUTCOMES:**

As a result of studying this course student should be able to:

- i) Identify and utilise a broad range of construction and decoration methods in both hand-building and wheel throwing.
- ii) Use equipment tools and media safely.
- iii) Research and develop design ideas.
- iv) Have an understanding in both historical and contemporary terms of the role ceramics have played.

<b>ASSESSMENT:</b>	Studying Art/Ceramics	20%
	Making Ceramics	40%
	Visual Art Process Diary (V.A.P.D.)	40%

**REQUIREMENTS/CONTRIBUTIONS:** \$40.00 per year. V.A.P.D., set of pottery tools, extra clay may have to be purchased as needed.

## **COURSE NAME:            CERAMIC DESIGN 2**

**PRE-REQUISITES:** Ceramics 1

### **COURSE DESCRIPTION:**

In this course students will build on their experiences of Ceramics 1, but will also learn the Basics of wheel forming objects. They may expect to experiment with underglazes and the glazing process. They should be able to pack kilns, and understand firing technology. They should also be further developing their knowledge of decorative methods and refining their design skills and developing a broader understanding of cultural context in Ceramic forms.

### **EXPECTED STUDENT OUTCOMES:**

As a result of studying this course students should be able to:

1. Understand and appreciate the relationships between cultures and their creations
2. Create ceramic forms in a variety of techniques that show technical skill development in those techniques, and development/refinement of designs.
3. Use tools, equipment and materials safely and appropriately

<b>ASSESSMENT:</b>	Studying Art/Ceramics	20%
	Making Ceramics	40%
	Visual Art Process Diary (V.A.P.D.)	40%

**REQUIREMENT/CONTRIBUTIONS:** \$40.00 per year and a Visual Art Process Diary (V.A.P.D.)

## **COURSE NAME: DIGITAL MEDIA**

**PRE-REQUISITES:** Nil

### **COURSE DESCRIPTION:**

Photographic and Digital Media plays a significant role in the curriculum by providing specialised learning opportunities to enable students to understand and explore the nature of photographic and digital media as an important field of artistic practice, conceptual knowledge and technological procedures.

The broad areas of photography and digital media as print, interactive and moving forms are extremely relevant and of fundamental interest to students. Much of their knowledge of the world and their notions of cultural and self-identity come from the photographic and digital images that permeate the visual arts and design, television, film, video, internet, mass media and multimedia.

### **EXPECTED STUDENT OUTCOMES:**

- Develop and enjoy practical and conceptual autonomy in their abilities to represent ideas and interests in photographic and digital media works.
- Understand and value the different beliefs that affect interpretation, meaning and significance in photographic and digital media.

**ASSESSMENT:** Journal and Projects which may include:

- Digital media in printed form
- Computer-generated images
- Games
- Holographic and virtual realities
- Hypertext works
- Web design
- Video
- Film
- Animation
- Performance works
- Other selections

**REQUIREMENTS/CONTRIBUTIONS:** \$10.00 yearly to cover consumables and maintenance

# MUSIC

## COURSE NAME:

## MUSIC – 1

**PRE-REQUISITES:** Nil

### **COURSE DESCRIPTION:**

Topics covered can include:

- i) Australian Rock
- ii) Classical Music
- iii) Japanese Music
- iv) Rock Styles
- v) Instrument and Repertoire

In each unit a variety of music will be listened to and studied: there will be practical work, composition tasks and tasks to develop aural skills. There will be assessable tasks in each of these.

### **EXPECTED STUDENT OUTCOMES:**

As a result of studying this course students should be able to:

- i) Learn how to compose songs;
- ii) Develop their aural skills;
- iii) Develop their ability to write about music;
- iv) Develop performing skills.

**ASSESSMENT:** One written test each term and one task in each of: composition, aural (listening) skills and performance.

**REQUIREMENTS/CONTRIBUTIONS:** \$12.00 (includes live music performances).

## COURSE NAME:

## MUSIC – 2

**PRE-REQUISITES:** Music 1

### **COURSE DESCRIPTION:**

The topics covered in this course can include:

- i) Australian Jazz
- ii) Concertos
- iii) Vocal music through the ages
- iv) Theatre music

In each unit a variety of music will be listened to and studied: there will be practical work, composition tasks and tasks to develop aural skills.

### **EXPECTED STUDENT OUTCOMES:**

As a result of studying this course students should be able to:

- i) Increase their ability to analyse music from scores and through listening;
- ii) Develop an understanding of technical skills required by performers and composers;
- iii) Experience music from different periods.

**ASSESSMENT:** One written test each term and one task in each of: composition, aural (listening) skills and performance.

**REQUIREMENTS/CONTRIBUTIONS:** \$12.00 (includes live music performances)

# INDUSTRIAL TECHNOLOGY

## **COURSE NAME:      GRAPHICS TECHNOLOGY**

**This course can be studied for 100hrs or 200hrs.**

### **COURSE DESCRIPTION:**

This course can be studied for 100hrs or 200hrs.

The study of Graphics Technology will develop an understanding of the significance of graphical communication and the techniques and technologies used to convey technical and non-technical ideas and information.

### **EXPECTED STUDENT OUTCOMES:**

As a result of studying this course students should be able to:

- i) Learn to apply basic drawing skills to produce simple technical drawings;
- ii) Learn how to communicate technical information graphically;
- iii) Learn about and produce different types of drawings to communicate technical information;
- iv) Learn some basic presentation skills to make drawings more meaningful;
- v) Gain some basic experience in using computers to generate simple drawings;
- vi) Present an ordered folio of completed work to display the skills developed.

**ASSESSMENT:**      will consist of:

- Class Drawings              70%
- Term Tests                      30%

### **STUDENTS ARE REQUIRED TO COMPLETE:**

Set exercises and individual drawing projects.

In the 100hr course, students learn a general range of drawing skills using drawing equipment, and, on computers use a CAD (Computer Aided Design) program.

In the 200hr course, students focus on house plans, engineering drawing as well as Computer Aided Design.

**REQUIREMENTS/CONTRIBUTIONS:** \$20.00 plus equipment. Students will be required to purchase suitable Technical Drawing equipment through the school at a cost of \$30.00.

# INDUSTRIAL TECHNOLOGY

## **COURSE NAME:      PHOTOGRAPHY**

**This course can be studied for 100hrs or 200hrs.**

### **COURSE DESCRIPTION:**

The Photography and Multimedia focus area provides opportunities to develop knowledge, understanding and skills in relation to photography, multimedia and associated industries.

### **EXPECTED STUDENT OUTCOMES:**

As a result of studying this course students should be able to:

1. Effectively use black and white film and digital cameras
2. Expose and process black and white films
3. Develop black and white photographs
4. Utilise Photoshop Elements in the enhancement and manipulation of digital images
5. Produce photographs suitable for entry into competitions
6. Develop skills in the presentation of photographs, including framing.

**ASSESSMENT:** Will be based on successful completion of:

- Bookwork and written tests - 30%
- Portfolio of photographic works - 70%

**REQUIREMENTS/CONTRIBUTIONS:** \$60.00 per year for materials.

## **COURSE NAME: ELECTRONICS TECHNOLOGY**

**This course can be studied for 100hrs**

### **COURSE DESCRIPTION:**

The Electronics focus area provides opportunities to develop knowledge, understanding and skills in relation to the electronics and associated industries.

Practical projects reflect the nature of the Electronics focus area and provide opportunities to develop specific knowledge, understanding and skills related to electronics-related technologies.

**EXPECTED STUDENT OUTCOMES:** As a result of studying this course students should be able to:

- i) Recognise and correctly use electronic measuring instruments;
- ii) Read and interpret circuit diagrams;
- iii) Construct simple DC electrical circuits;
- iv) Recognise potential safety hazards with electricity and associated tools and equipment.

**ASSESSMENT:** Will be based on successful completion of:

- Completion of practical projects 70%
- Documentation (theory book) 20%
- Class tests (1 each term) 10%

**REQUIREMENTS/CONTRIBUTIONS:** \$70.00 for kit of components and instruction book. Students **must** have appropriate protective clothing – an apron, strong shoes and approved safety glasses.



# INDUSTRIAL TECHNOLOGY

## **COURSE NAME:                      METAL TECHNOLOGY**

**This course can be studied for 100hrs or 200hrs.**

### **COURSE DESCRIPTION:**

The Metal focus area provides opportunities to develop knowledge, understanding and skills in relation to the metal and associated industries.

Modules develop knowledge and skills in the use of materials, tools and techniques related to metal which are enhanced and further developed through the study of specialist modules in:

- Metal Machining
- Fabrication

### **EXPECTED STUDENT OUTCOMES:**

As a result of studying this course students should be able to:

- i) Use the knowledge and skills gained to complete basic metalworking operations;
- ii) Perform a number of basic hand skills and joining techniques with metal;
- iii) Have an appreciation for safe work practices when working with metal;
- iv) Use the knowledge and skills to complete basic metalworking machines operations;
- v) Combine hand and machine skills to fabricate projects;

### **ASSESSMENT:** Will be based on successful completion of:

- |                                 |     |
|---------------------------------|-----|
| • Practical projects            | 70% |
| • Class tests (1 each semester) | 30% |

**REQUIREMENTS/CONTRIBUTIONS:** \$60.00 for materials. Students **must** have appropriate protective clothing – an apron, strong shoes and approved safety glasses.

# INDUSTRIAL TECHNOLOGY

## **COURSE NAME:**                      **TIMBER TECHNOLOGY**

**This course can be studied for 100hrs or 200hrs.**

### **COURSE DESCRIPTION:**

The Timber focus area provides opportunities to develop knowledge, understanding and skills in relation to the timber and associated industries.

Core modules develop knowledge and skills in the use of materials, tools and techniques related to timber which are enhanced and further developed through the study of specialist modules in:

- Cabinetwork
- Wood Machining

### **EXPECTED STUDENT OUTCOMES:**

As a result of studies in this course, students should be able to:

- 1) Interpret working drawings to make timber projects;
- 2) Show awareness of Occupational Health and Safety;
- 3) Combine hand and machine skills to make projects.

### **ASSESSMENT:** Will be based on successful completion of:

- |                               |     |
|-------------------------------|-----|
| · Practical projects          | 70% |
| · Documentation (Theory book) | 20% |
| · Class Tests - 1 Term each   | 10% |

**REQUIREMENTS/CONTRIBUTIONS:** Materials - \$70.00 (100 hrs); \$75.00 (200 hrs). Students **must** have, strong shoes, an apron and approved safety glasses.

# **INDUSTRIAL TECHNOLOGY**

**COURSE NAME:        AUTOMOTIVE TECHNOLOGY 1**

**This is a 100hr course in 2012.**

**COURSE PRE-REQUISITES:** Nil

## **COURSE DESCRIPTION:**

The Automotive focus area provides opportunities to develop knowledge, understanding and skills in relation to automotive and associated industries.

Practical projects reflect the nature of the automotive focus area and provide opportunities to develop specific knowledge, understanding and skills related to automotive – related technologies. These include:

- Maintenance and repair of small engines
- Automotive restoration
- Work undertaken on isolate automotive components.

**REQUIREMENTS/CONTRIBUTIONS:** \$50.00 per year. Apron or overalls, display folder, strong shoes and approved safety glasses.

# INDUSTRIAL TECHNOLOGY

## **COURSE NAME:                      ENGINEERING**

### **COURSE PRE-REQUISITES:** Nil

Engineering is a subject which provides a link to the Engineering Studies and Physics courses in Years 11 & 12. It provides opportunities for students to develop knowledge, understanding and skills in relation to engineering and its associated industries.

### **COURSE DESCRIPTION:**

The course will have a significant practical focus with construction of projects in metal, timber, plastics, composites and electronics.

These projects will include

- the building and testing to destruction of small structures
- the construction of small projects such as bottle rockets and trebuchets from a variety of materials that display a range of properties
- the construction of basic control circuits in electronics.

Further experiment work may be carried out in the investigation of properties of materials in photo-voltaic systems.

Modules covered in the course include engineered;

- Structures
- Mechanisms
- Control Systems
- Alternative Energy

Within each module students will learn about;

- OH&S and Risk Management
- Material Properties
- Equipment, Tools and Machines for Construction
- Engineering Principles and Processes
- Links to Industry
- Engineering Design
- Workplace Communication Skills
- Societal & Environmental Impacts

What does this course lead to??

Industrial Technology - Engineering provides an excellent link to the Engineering Studies and Physics courses in Years 11 & 12.

Students considering further study in areas such as Engineering, Architecture, Industrial Design and Construction would find it of benefit to study Industrial Technology - Engineering in Years 9 & 10.

It is possible in Years 9 & 10 to study Industrial Technology - Engineering in conjunction with any of the other courses offered by the Industrial Arts Faculty.

**REQUIREMENTS/CONTRIBUTIONS:** \$30 – to be confirmed.

# COMPUTING STUDIES

## COURSE NAME:

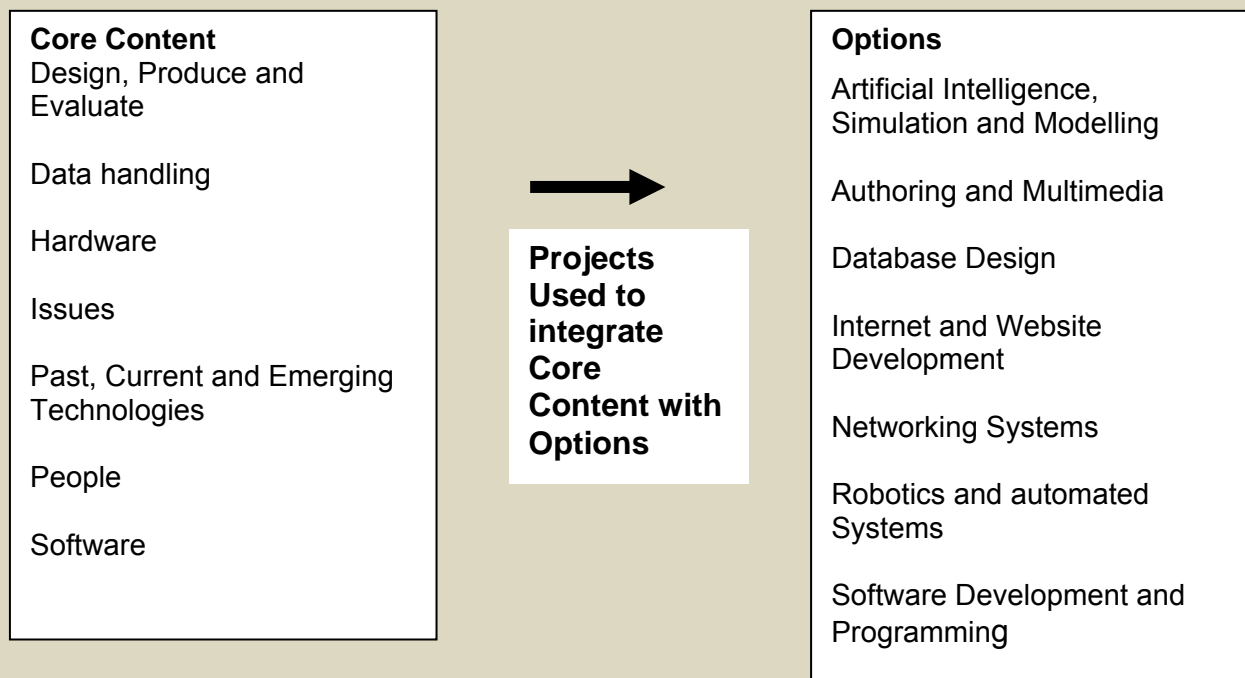
### INFORMATION AND SOFTWARE TECHNOLOGY (I.S.T.)

#### Year 9

**PRE-REQUISITES:** Nil. There are no pre-requisites for the study of Information and Software Technology. It is an elective course which builds upon the knowledge, skills and experiences developed in the Technology (Mandatory) Years 7-8 Syllabus.

#### **COURSE DESCRIPTION:**

This course integrates the study of core content within the context of options delivered through projects. The following diagram shows how the content is organised.



#### **EXPECTED STUDENT OUTCOMES:**

- Knowledge and understanding of computer hardware and software
- Communication skills and group work practices
- Responsible and ethical use of information and software technology

**ASSESSMENT:**

- Projects: (students will complete a minimum of two, maximum of four)
- Assessments including knowledge tests, problem solving skills, ethical practice and communication skills.

**REQUIREMENTS/CONTRIBUTIONS:** \$20.00 yearly to cover consumables.

## COURSE NAME:

### INFORMATION AND SOFTWARE TECHNOLOGY (I.S.T.)

#### Year 10

Information as per Year 9 course with different core content and options as specified

**REQUIREMENTS/CONTRIBUTIONS:** As per Yr 9

## AGRICULTURE

**COURSE NAME:      AGRICULTURE I      100 HOURS**

**COURSE DESCRIPTION:**

An introduction to Agriculture with Specific Reference to the North Coast.

**Content Outline:**

- Scope and Importance of Agriculture
- Why the soil and climate are important
- Types of plants and animals used in Modern Agriculture (north Coast & NSW in general)
- What happens on the North Coast Farms?

An introduction to      •      plant propagation  
   •      fruit/vegetables  
   •      nurseries

<b>ASSESSMENT:</b>	Theory Tests	40%
	Assignments	10%
	Practical Work	40%
	Practical Records	10%

**REQUIREMENTS/CONTRIBUTIONS:**    \$15.00 yearly.

**COURSE NAME:      AGRICULTURE II      100 HOURS**

**COURSE DESCRIPTION:**

Small Scale Agriculture on the North Coast.

**CONTENT OUTLINE:**

- Beef cattle management
- Dairy
- Pasture Management
- Aquaculture
- Poultry
- Horses

<b>ASSESSMENT:</b>	Theory Tests	40%
	Assignments	10%
	Practical Project	40%
	Practical Records	10%

**REQUIREMENTS/CONTRIBUTIONS:**    \$10.00 yearly.

## DRAMA

## **COURSE NAME:      DRAMA 1**

### **COURSE DESCRIPTION:**

Students will learn basic stagecraft skills. This will include practical experience in basic body and vocal work in different types of theatre and styles of acting. They will develop an understanding of actor/director/audience roles. The course allows students to experience and develop skills in improvisation, writing, rehearsing and performing their own scripts in different genres. Students will be assessed on both practical and theatrical aspects.

### **EXPECTED STUDENT OUTCOMES:**

As a result of studying this course, students should be able to:

- i) show an appreciation and awareness of theatre styles and presentations
- ii) develop a scene through different stimuli in both group devised work and as an individual
- iii) understand aspects of theatrical productions.
- iv) develop stagecraft techniques through experience.

### **ASSESSMENT:**

Practical assignments:	60%
Theory: (includes written assignments and journals)	40%

**REQUIREMENTS/CONTRIBUTIONS:** \$20.00 per year

## **COURSE NAME:      DRAMA 2**

**PRE-REQUISITES:** Drama 1

### **COURSE DESCRIPTIONS:**

This course will continue to develop students' stagecraft skills. With a focus on children's theatre, T.I.E. and visual comedy, the course will cover aspects of:

- selection of scripts
- casting
- rehearsal
- production
- film making

Students will also further develop their skills in writing, editing and directing scripts for practical presentation.

**EXPECTED STUDENT OUTCOMES:** As a result of studying this course, students should be able to:

- i) show a thorough knowledge of play production and the processes and requirements involved in different genres.
- ii) demonstrate accomplished stage craft skills
- iii) recognise and appreciate the total concept of stage presentation as a 'package' product.

**ASSESSMENT:**

- Practical 60%: (including script journals, written assignments)
- Written 40%: (assessed on rehearsal and presentation of works)

**REQUIREMENTS/CONTRIBUTIONS:** \$20.00 per year.

**PD/H/PE**

## **COURSE NAME: PASS (PHYSICAL ACTIVITY & SPORTS STUDIES)**

**STAGE 5**

**100HRS OR 200HRS YEARS 9 AND 10**

**PRE-REQUISITES:** Nil

### **COURSE DESCRIPTION:**

This course has been designed to:

- assist students to identify the components of a balanced lifestyle and improve and maintain physical fitness
- provide students with a variety of recreational pursuits so they can use leisure time wisely.
- assist students to gain an understanding in sports coaching, organizing and communication in sport
- to provide a sound understanding in coaching providing the stepping stone to a future career in coaching at a local and regional level
- to provide knowledge for these students wishing to do further studies in the personal development, health or physical education area
- to assist students to develop an enjoyment in the various forms of recreational pursuits and movement experiences
- to focus on the local community and the leisure and sporting opportunities within Macksville
- allow students to experience different sporting opportunities which will allow them to continue physical activity when they leave school or the Macksville community.

### **EXPECTED STUDENT OUTCOMES:**

The students will:

- be able to make wise decisions concerning lifestyle and personal fitness
- be able to explore a variety of recreational activities
- be able to develop coaching and administration skills and have the opportunity to assist with carnivals and gala days
- acquire a better understanding of their talents and abilities
- be able to cope with first aid emergencies
- have improved knowledge in physical education, health or personal development area
- develop positive perceptions of themselves which can be achieved through movement

**ASSESSMENT:** Each unit of work will have an assessment task. This will vary depending on the topic. Some tasks will be practical based whilst others will have a theory component.

**REQUIREMENTS/CONTRIBUTIONS:** Occasional charge if an excursion takes place.