

# SUBJECT SELECTION BOOKLET

## Stage 5 (Year 9) - 2018

Kincumber High School *“Enabling to achieve and excel”*

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Year Adviser – Mr Joshua Donaldson

Principal – Mrs Janine Debenham



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## MESSAGE FROM THE PRINCIPAL

At Kincumber High School, students enter their second module of secondary education in Years 9 and 10. These are the Stage 5 years and, subject to completing all of the requirements, students will be eligible for a Record of School Achievement (RoSA) at the end of Year 10, if they are successful in gaining employment or placement in an alternative full-time vocational program. This credential replaces the previous School Certificate.

Details of the RoSA and requirements for Stage 5 will be explained to students and parents at a **Parent Information Night** to be held at the School on **Thursday, 22 June, 2017**, commencing at **6.00pm**.

Students will study the core subjects of ENGLISH, MATHEMATICS, SCIENCE, GEOGRAPHY, HISTORY and PDHPE in Stage 5. They then have the opportunity to **study THREE (3) electives but are required to make FIVE (5) elective choices**. They should place their choices in order of preference. Details of the subjects offered as electives at this school are detailed in this document.

This initial elective selection offers a broad range of courses from which to choose. Those courses which fail to attract sufficient interest may not be run and some students may be asked to study their 4<sup>th</sup> or 5<sup>th</sup> choices.

It is hoped that students will seek advice from teachers, Mr Fortey (the Careers Adviser), the contact persons listed in this booklet, and, of course, the Year Adviser, Mr Donaldson.

I look forward to meeting with you at the subject selection evening on June 22.

Mrs Janine Debenham  
Principal

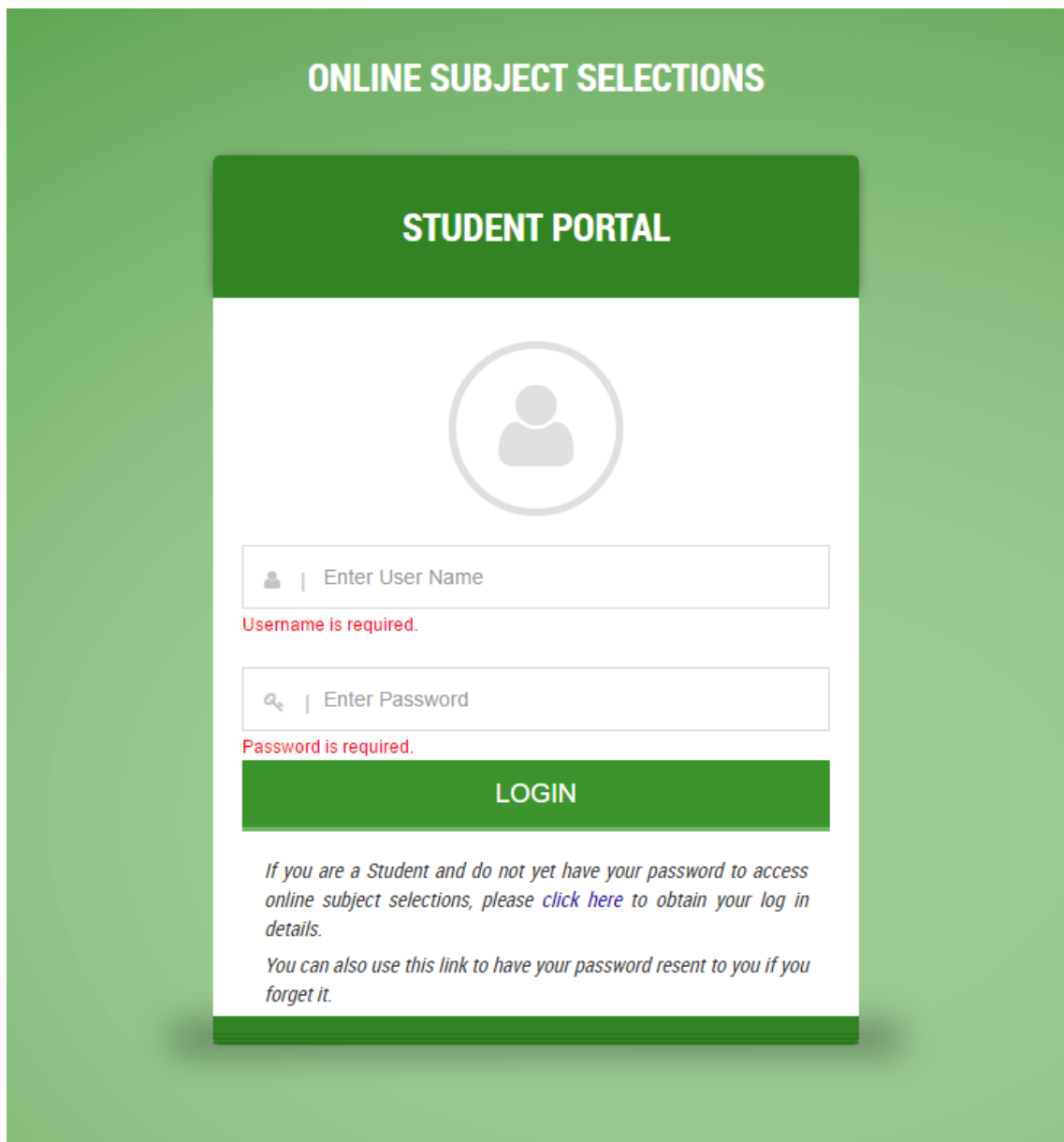
## MESSAGE FROM THE YEAR ADVISER

This booklet contains a description of the courses available for study in Years 9 and 10. Students are asked to **choose FIVE (5) electives**. Please read all the elective outlines in this book and come along to the subject selection evening to hear about the Record of School Achievement credential and discuss elective interests with the Head Teachers.

Students are to submit their preferred courses online by completing the selection process at

<http://www.subjectselections.com/student>

When you log on to *Online Subject Selections* for the first time, you will need to obtain a password. This can be done by clicking on the 'Click here link to obtain your log in details'. Clicking this link will take you to a dialogue screen where you can enter your **SCHOOL** email address and have your password emailed to you automatically. To access the selection website you will need to place your school email address into the 'Username' box and your new password into the 'Password' box.



The image shows a screenshot of the 'ONLINE SUBJECT SELECTIONS' website. The main heading is 'ONLINE SUBJECT SELECTIONS' in white text on a green background. Below this is a 'STUDENT PORTAL' section with a white background and a green header. In the center is a grey circular icon of a person. Below the icon are two input fields: 'Enter User Name' and 'Enter Password'. Both fields have red error messages below them: 'Username is required.' and 'Password is required.' respectively. Below the input fields is a green 'LOGIN' button. At the bottom of the portal, there is a message: 'If you are a Student and do not yet have your password to access online subject selections, please [click here](#) to obtain your log in details. You can also use this link to have your password resent to you if you forget it.'

When students have made their selections, they need to **print** a copy of their selections, **have their parents sign** to endorse the selections and **return the signed sheet to Mr Broadbent** before **Friday 29 June** (the last day of Term).

The opportunity to elect subjects usually evokes its fair share of anxiety for students and parents. When selecting electives, remember that it is an individual choice for each student and should be made independently of peer or sibling influence. You should only select courses in which you have a genuine interest and a desire to learn.

**Some practical subjects do have costs involved.** The material used is not funded by the Department of School Education. Individual KLA's purchase materials in bulk to take advantage of cheaper costs. For example, a subject cost of \$60 in Photography provides the use of an SLR camera, film, printing paper and chemicals. To purchase these privately would cost at least \$150 without the camera. A similar situation applies in Technology areas. Please refer to the course fee in the elective outline and consider this in making your choices.

Each subject, in alphabetical order, is explained for you in this booklet. Further information can be obtained from the contact person mentioned. An invitation is extended to you and your son/daughter to attend an information night on **Thursday, 22 June, 2017 from 6.00 to 7.00pm for Year 8 students, and from 7.00 – 8.00pm for Year 10 students.**

Mr Donaldson  
Year Adviser

## LIST OF ELECTIVES FOR YEARS 9 AND 10

### **ABORIGINAL STUDIES (Australia's Indigenous Peoples)**

Aboriginal Studies proposes to develop an appreciation of Aboriginal culture both in the past and in the continuing Aboriginal nations and communities, a respect for human rights and responsibilities and an awareness of the contributions of Aboriginal peoples to Australian society.

In this course students will cover four elective themes chosen from:

- Literature, Technology and the Environment, Biographies, Organisations
- Families and Communities, Media Representation and Participation, Languages,
- Visual and Performing Arts, Business and Industry and Participation in Sport.

*CONTACT: Mr B Waters*

### **AGRICULTURE**

Agriculture is designed for those students who have an interest in working with animals and plants. The two year course will suit those who seek enjoyment in Agriculture, and also students who wish to find a career, attend TAFE College or university.

Students will be challenged to perform at industry standards knowing that their efforts will have a direct benefit on the health and wellbeing of animals and plants on the school farm.

During the two year course students will learn to manage and handle cattle, sheep, pigs and poultry. They will grow chrysanthemums for Mother's Day, peas, tomatoes, marigolds, sweet corn and giant pumpkins. Students will also earn their tractor licence and certificates that enable them to use a range of agricultural equipment.

Students will use technology for research to record information and present assignment tasks. A range of interactive software is now available and will be used to cover topics in plant, sheep, beef and poultry production. The use of technology will enhance the educational experience as well as making learning enjoyable and rewarding.

Products produced on the farm will be entered into local agricultural shows, competing against students from across the Central Coast, and from around NSW. Students will be assessed on both the effort they put into their studies and the quality of the product they produce. Agriculture is truly the "game of life".

Students will have the opportunity to attend the Royal Easter Show, Tocal Field Day and the Upper Hunter Beef Bonanza. These are wonderful opportunities to test your skills and experience the country lifestyle.

For students who excel in Agriculture, a Gifted and Talented Program will operate. Places will be offered at the commencement of Term 2.

**Course Cost: \$30**

*CONTACT: Mr J Morris, Mr C Stanley*

## **CAFÉ FUNDAMENTALS**

This course is aimed at students who have an interest in Food and Catering and can be studied along with Food Technology.

This course provides an excellent foundation for those students interested in obtaining a part time job in the food industry **and/or** studying VET Hospitality in Years 11 and 12.

Students who complete the course will obtain a Certificate I in Hospitality upon completion of year 10.

### **Course Structure:**

#### **Year 9 – Design and Technology – Food Focused (100hr)**

Food service and catering are important areas of the food industry. They provide people with both food and employment. In Café Fundamentals, students will examine food service and catering ventures and their operations across a variety of settings, along with employment opportunities in the Hospitality Industry.

Students will also undertake weekly practical activities designed to refine and enhance student knowledge, understanding and skills. **These activities include planning, preparing and presenting appealing foods that reflect current trends, catering for small and large scale functions, and garnishing and styling food for photography.**

#### **Year 10 – Certificate I Hospitality (100hr)**

Industry curriculum frameworks provide students with the opportunity to gain industry recognised national vocational qualifications under the Australian Qualifications Framework (AQF). This course is designed to provide students with appropriate learning opportunities that will enable them to acquire a range of technical, personal and interpersonal skills specifically related to the hospitality industry but applicable to other service industries and careers.

### **Units of Competency covered:**

- Work effectively with others
- Provide customer information and assistance
- Participate in safe work practices
- Use hygienic practices for food safety
- Use food preparation equipment
- Prepare and present sandwiches
- Prepare and serve espresso coffee

*CONTACT: Mrs J Rearden*

## CHILD STUDIES

The course aims to:

- Develop knowledge and understanding of the responsibilities and requirements of parents and child carers.
- Provide students with opportunities to evaluate and improve their parenting skills.
- Develop students' confidence in caring for infants and young children.
- Develop students' appreciation of the role parents play in the wellbeing of individuals and families within a changing society.

The course is organised in logical sequence from conception and family planning, to pregnancy, birth and childcare. It will give the students knowledge and experience that they will use in their adult lives and may also lead to interesting and rewarding careers in childcare, teaching or child related services.

The core modules include:

- Puberty to parenthood
- Bathing, Hygiene & Clothing
- Positive Caring & Parenting
- Quality Time
- Health and Nutrition
- Sleep and Wellbeing
- Getting Out
- Relationships

**Course Cost: \$40 to cover practical activities**

*CONTACT: Mrs J Rearden/Mr P Batey*

## COMMERCE

Commerce provides the knowledge, skills, understanding and values that form the foundation on which young people make sound decisions on consumer, financial, business, legal and employment issues. It develops in students an understanding of commercial and legal processes and competencies for personal financial management. Through the study of Commerce students develop financial literacy that enables them to participate in the financial system in an informed way.

This course offers a two-year elective programme designed to prepare students to face the challenges of life in modern society. It provides various activities to develop knowledge and skills for helping students make important decisions, especially relating to their "business life" and "legal rights". Topics include:

- How to Manage Your Money
- Buying Wisely and Budgeting
- Consumer Protection – avoiding getting 'ripped off'
- Getting a Place to Live – Buying and Renting
- Getting Some Wheels – Buying a Car or Bike
- Production of Goods, Services and the Workforce
- Employment Issues – forms of employment, WHS issues
- Political Involvement – You will soon be of voting age!
- Travel – learn about types of travel and tourism (e.g. gap years, business travel)
- The Role of Law in Society – know your rights!
- Our Economy
- Community Participation
- Running a Business

*CONTACT: Mr B Waters*



## **DANCE**

The Dance course aims to enhance the skills and opportunities available to those students who have an interest and/or ability in this area.

Dance is made up of 3 areas – Performance, Composition and Appreciation

Students will develop skills in the following areas:

1. Performance:

- Dance technique & performance quality dance skills,
- Safe dance & healthy practices
- Movement vocabulary
- Performance opportunities

2. Composition:

- Creating & developing their own motif / movement
- Composition vocabulary

3. Appreciation

- History of dance
- Modern and post-modern choreographers
- Viewing dance and forming an opinion – personal impressions
- Criticising and reviewing dance

Students will take part in the Central Coast Dance Festival and school performance opportunities.

**Course Cost: \$25 for hire of costumes and approx.**

*CONTACT: Mrs K McRae, Mrs C McGilvery, Ms M Dutton*

## **DRAMA**

Drama offers students the opportunity to develop their confidence, interpersonal and team work skills, as part of a trusting group. Students will undertake study of: styles of theatre, the history of theatre, improvisation, playbuilding, acting, costuming, lighting, set, make-up, film and directing. Students will take part in short plays and individual performances at least once per term.

Those choosing this subject should be aware that a small amount of research is a requirement in the course. Attendance to theatre excursions throughout the year is expected. Students will develop knowledge, understanding and skills, individually and collaboratively, through

1. Making drama through imagined and created situations.
2. Performing drama using theatrical styles and techniques.
3. Appreciating drama through personal reflection and all aspects of the human experience.

**Course Cost: \$10 for Year 9 and \$10 for Year 10**

*CONTACT: Mrs C McGilvery, Mrs Rebecca Roth*

## **ELECTIVE GEOGRAPHY**

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

Topics range from Oceanography (whaling and dolphin hunting), Australia's Neighbours to in-depth studies of Australia's primary industries and issues of development facing the world (Africa, Latin America, Asia).

The course will offer some excursions/practical learning opportunities. Assessment is a combination of project based learning and in-class tasks.

*CONTACT: Mr B Waters*

## **ELECTIVE HISTORY**

The course is designed to enable student input into the choice of topics. Students will negotiate with the teacher in choosing the topics to be covered. They will also choose a Personal Interest Topic to research and submit which will account for 40% of their total mark.

Topics range from Early and Ancient Societies, (including archaeology) through to studies of the Medieval and Modern World.

There is no external assessment of this course. Assessment will be based across both Years 9 and 10 and will involve a mixture of practical projects (constructing dioramas) and written assignments.

*CONTACT: Mr B Waters*

## **ENGINEERING**

Engineering is a mixture of Science and Technology that is concerned with the design, building, and use of engines, machines, and structures. The Engineering course is a two year elective subject that provides opportunities for students to develop their knowledge, understanding and skills in relation to the field of engineering.

The course offers a range of practical experiences that occupy the majority of course time. These are used to further enhance students understanding of engineering principles while developing knowledge, understanding and skills in designing, producing and evaluating engineering solutions. Practical projects allow for students to fulfil these requirements and test things to destruction!

Students also develop knowledge and skills in the use of materials, tools and techniques related to structures and mechanisms. Practical projects may include:

- Building small structures
- Building and testing small vehicles
- A range of devices and appliances
- Robotics projects
- Electronic and mechanical control systems

**Course cost: \$40 to cover the consumables used in practical lessons.**

*CONTACT: Mrs J Rearden*

## **FASHION AND DESIGN**

Fashion and Design is a two year practical based course that is open to both boys and girls. The course aims to encourage students to develop skills in creative and practical areas. This course covers three content areas all of which include a practical component totalling 80% of the course time.

The three content areas covered are:

- Design – aspects of design, pattern selection and selection of fabrics for constructing fashion garments and soft furnishings, appliqué hand beading.
- Structures and Properties – studies of fibres, investigation of yarns and fabrics, care and labelling, eg. Accessories such as felted bags, scarves, toys and soft furnishings.
- Textiles and Society – fashion, cultural influences, consumer selection and rights and textiles in performing arts, eg. Lingerie, sleepwear, dyeing and printing

Assessment includes practical work, laboratory exercises, design folio as well as bookwork, test, research and presentation of reports.

**Course Cost: \$50 in Year 9 and \$30 in Year 10, as well as cost of personal practical work.**

*CONTACT: Mrs J Rearden*

## **FOOD TECHNOLOGY**

This course offers a wide range of practical experiences and activities involved in food technology and design solutions. Students evaluate relationships between food technology, nutritional status and quality of life and realise the environmental and social issues involved in the design and use of food and food related technologies.

The course will be approached as a variety of units of work which will revolve around four components of food technology.

- Food production and processing
- Food properties
- Food and the marketplace
- Food, nutrition and consumption

**Course Cost: \$80**

*CONTACT: Mrs J Rearden*

## FRENCH

One of the major languages of the world, French is spoken in Europe, Canada, Africa, the Middle East and close to Australia, in New Caledonia, Vanuatu and Tahiti. It was the second major language of the Olympics and is the official language of the United Nations.

Students who study French gain knowledge of the language and its culture, using the four communication skills of Reading, Writing, Listening and Speaking. The course aims to provide opportunities for students to apply their skills in authentic and simulated situations and to sample French food and learn about the country's history and the monuments of Paris and other major cities.

Skills learned in this language can be applied in many employment areas such as Commerce, Tourism, Hospitality and International Law.

The following topics are included in the course:

- Personal Information
- Education
- Food and Drink
- Accommodation/Reservations
- Daily Routine
- Weather
- Family
- Fashion
- Travel and Holidays
- The Internet

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

- Understand French within the above topic areas
- Use accurate pronunciation to conduct conversation in a range of situations
- Read and write in French
- Appreciate and experience the culture, cuisine and history of French speaking countries

**Course Cost: \$20 for French text companion workbook.**

*CONTACT: Mrs G Jones, Mrs J Attwooll*

## GRAPHICS TECHNOLOGY (TECHNICAL DRAWING)

Graphics Technology covers different techniques used to communicate graphically.

Skills and techniques covered include:

- Engineering (Orthogonal) Drawing
- Architectural Drawing
- C.A.D (computer aided drawing)
- Pictorial Drawing (isometric, oblique, perspective)
- Product Drawing
- Rendering
- Technical Illustration

All students will gain "hands on experience" with computer aided drawing using Autocad Inventor. The course covers compulsory areas with a specialised module in the area of interest at the end of Year 10.

**Course Cost: \$15 covers folders, paper, marking pens, computer requirements etc. Students who do Graphics Technology will need to have the required drawing equipment which can be purchased from the school (approx \$65).**

*CONTACT: Mrs J Rearden*

## **INDUSTRIAL TECHNOLOGY - METAL**

Metal Technics covers a broad range of practical skills using hand and machine tools to produce quality finished products.

Students must be aware that courses in all units have a significant amount of written work. Students must keep a well presented book or folio for classroom theory, research, design exercises and home assignments.

Assessment is based on a combination of practical and theory work – 70% practical and 30% theory.

**Course Cost: \$50 for Metal Technics is required within four weeks of starting this course.**

*CONTACT: Mrs J Rearden*

## **INDUSTRIAL TECHNOLOGY - TIMBER**

Wood Technics covers a broad range of practical skills using hand and machine tools to produce quality finished products.

Students must be aware that courses in all units have a significant amount of written work. Students must keep a well presented book or folio for classroom theory, research, design exercises and home assignments.

Assessment is based on a combination of practical and theory work – 70% practical and 30% theory.

Projects may include:

- Deck chair
- Chess board
- Toolbox
- Spice rack
- Paper towel holder
- Serving tray
- Wood turned bowl

**Course Cost: \$65 for Wood Technics is required within four weeks of starting this course.**

*CONTACT: Mrs J Rearden*

## **INFORMATION SOFTWARE & TECHNOLOGY**

Participation in Computing Studies in Years 9 – 10 appeals to students with an interest in computing. It is a theoretical subject with practical activities to enhance their learning about and using computers.

As a result of studying this course, students will be equipped to make appropriate use of and informed choices about technology both at a personal level and in the workplace. Students will be prepared for future developments and directions in the exciting and challenging field of information and software technology.

The course is designed to make students competent in Multimedia and authoring, Internet and Website Development, Robotics and Automated Systems, Networking Systems, Artificial Intelligence, Simulation and Modelling, Database Design, Internet usage and Digital Media (graphics and animation). There will be some exposure to programming via Logo.

Students should choose this subject because they are serious about becoming skilled users of computers and this involves more than just playing computer games.

**Course Cost: \$10 for consumables and software.**

*CONTACT: Mrs J Rearden*



## INTERNATIONAL STUDIES

This course will look at different cultures of the world and what makes them unique. Think about all the different countries around the world and the many different cultures that exist within them.

Students who choose International Studies will have the opportunity to participate in a wide range of exciting and creative activities. We will investigate many aspects of cultures around the world including food, sport, tourism, art and religion.

There will be plenty of opportunities to go on excursions both locally (eg. Yum Cha at Erina Fair) and further away (eg. a trip to Chinatown in Sydney).

Along the way we will learn about the ideas, beliefs and practices of a wide range of cultures. The emphasis will be on cultures of Asia and Pacific region because Australia is very close geographically to these regions and they will play an important part in Australia's future.

Topics could include:

- Tourism
- Food
- Technology
- Media
- Sport
- Arts
- Religion
- Workplace

*CONTACT: Mr B Waters*

## JAPANESE

Japan is one of Australia's main trading partners and has become an attractive destination for Australians seeking either employment or a unique experience. The study of its language and culture provides students with valuable perspectives on the art, customs and attitudes of Japan and enhances ability to understand English grammar.

The course focuses on the development of the four main communication skills – Reading, Writing, Listening and Speaking. Students practise Japanese scripts using traditional calligraphy methods as well as immersing themselves in the unique culture, with excursions to the Japanese Tanken Immersion Centre and a Japanese restaurant.

The following topics are included in the course:

- Personal Information
- Food and Dining practices
- Leisure and Travel
- Around town/directions
- The Japanese House
- Education
- Health and Sickness
- Festivals and Culture

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

- Understand Japanese spoken at a reasonable speed.
- Conduct a preliminary conversation using the above topics.
- Read and write in Hiragana, Katakana and Kanji.
- Understand and have experienced Japanese cultural activities.

**Course Cost: \$20 for Japanese text companion workbook**

*CONTACT: Mrs G Jones, Mrs J Attwooll*

## **MARINE AND AQUACULTURE TECHNOLOGY**

This is a wide ranging course which looks at a variety of activities, issues technologies and environments associated with the oceans and other waterways.

All students must participate in **COMPULSORY swimming activities and complete a First Aid Certificate, as well as maintenance of equipment used in water and the marine environment itself, with an option to obtain an RMS boat licence.**

Optional work includes looking at shipwrecks & salvage, basic navigation, sailing, fish harvesting, open water snorkelling, managing fish production, dangerous marine creatures, mangroves, maritime employment, tides and currents, rock platforms and others.

This is a very hands on course with many opportunities for excursions and expansions into out of school learning activities. This course will incur costs.

**Course Cost: \$15 per year**

*CONTACT: Mr C Stanley, Mr McRobie*

## **MUSIC**

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

Students will develop knowledge, understanding and skills in the concepts of music through:

- performing as a means of self-expression, interpreting musical symbols and developing solo and/ or ensemble techniques
- composing as a means of self-expression, musical creation and problem solving
- listening as a means of extending aural awareness and communicating ideas about music in social, cultural and historical contexts.
- Integration of Music technology including recording, editing, notation software. MP3'S will be included in this course.

Students will undertake a study in a number of topics, including music of the Theatre, Program Music, Jazz Styles, Rock Music, Australian music, music of another culture, Instrumental music, Film, Vocal and Folk.

**Course Cost: No fees required**

*CONTACT: Mr M Downy, Mr A Blue*

## PHOTOGRAPHY & DIGITAL MEDIA

The Photography and Digital Media is a Board of Studies elective course which focuses on making and understanding photographic and digital media works, their function and significance in the world. Students will work with traditional Wet Photography (analogue black and white) as well as Digital Still and Time Based Forms (video, animation).

The two main content areas are making images, which is 70% of the course and critical and historical study, which is 30% of the course.

By the end of the course they should understand basic photographic concepts, be able; to use cameras and lighting; to develop and print black and white films and photographs; to understand and use a scanner, digital camera and image editing program and to understand and use a digital video camera and video editing program.

An excursion to Luna Park occurs in Year 9 and a Sydney film-making excursion in Year 10.

**Course Cost: Photographic materials are quite expensive and the cost of consumables for this course is \$50 in Year 9 and \$50 in Year 10. This is made up of two components of \$30 for the kit, which is essential to the course and a \$20 contribution to help with the digital and film cameras for student use throughout the course. It is not necessary to own a camera to complete this course, however, students are welcome to bring their own if they already have one.**

*CONTACT: Mrs C McGilvery, Mr D Krix, Ms S McNaught & Ms M Hamilton.*

## SPORT STUDIES

The Physical Activity & Sports Studies course is an elective subject that gives students the opportunity to develop their knowledge and understanding of a range of physical pursuits. Physical Activity and Sports Studies presents a broad view of physical activity and the many possible contexts in which individuals can build activity into their lifestyle.

The course will include a mixture of practical lessons combined with theoretical work to satisfy the outcomes of this syllabus. Students will have the opportunity to learn about and participate in a wide range of sports and physical activities, including recreational, leisure and adventure pursuits, competitive and non-competitive games, and individual and group physical fitness activities. Students will also be given the opportunity to address contemporary issues in sport such as technology and the use of performance enhancing drugs. Students will learn skills in coaching and refereeing, and will have the chance to participate in the Premiers Sporting Challenge Leadership Program. Furthermore, students will have the opportunity to attain their Surf Survival Certificate and attend extra-curricular excursions such as the annual snow trip.

Recreation, exercise, sport and related health fields provide legitimate career pathways. This course will provide students with a broad understanding of these fields, as well as introduce students to valuable skills in organisation, teamwork, leadership and communication. Students with these skills will be positioned to make a strong contribution to their community as physical activity and sport provide a major context for both voluntary and paid work across Australia.

**Course Cost: This course has a number of optional excursions which have varying costs, including a snow trip, first aid course and an outdoor recreation camp.**

*CONTACT: Mr P Batey*

## **STEM (offered by the Faculty of Sciences)**

STEM is a subject that has a diverse range and scope. It uses hands on practical and problem solving skills to investigate natural and man-made issues, using the principles of **S**cience, **T**echnology, **E**ngineering and **M**athematics. Students will investigate issues or processes, that can be applied to real world situations, analyse the problems, determine solutions, test and evaluate the solutions and modify if necessary. This is done by drawing upon the resources and skills from all of the STEM based subjects.

STEM is a good starting point for students interested in Physics, Engineering with a foundation of the refinement of projects using the correct method of application, testing ,evaluating and modifying to finish with the best result possible.

### Course structure

The course structure will be based upon the iSTEM School Developed NESAs Endorsed Course. This course covers a number of STEM based fields, including; Fundamentals, Aerodynamics, Motion, Mechatronics, Surveying, Aerospace, Statistics, CAD/CAM and Biotechnology. These specific modules are not reflected together in any existing NESAs Syllabus document.

- There are four core modules:
- STEM Fundamentals 1 (10 hours)
- STEM Fundamentals 2 (15 hours)
- Mechatronics 1 (10 hours)
- Mechatronics 2 (15 hours)
- There are ten elective modules:
- Aerodynamics, Motion
- CAD/CAM1
- CAD/CAM2
- STEM PBL Minor
- STEM PBL Major
- Surveying
- Design for Space
- Statistics in Action
- Biotechnology

Each elective module is 25 hours (indicative) in duration.

The Stem course is designed around 100 hours in each school year i.e. 100 hours in Year 9 and 100 hours in Year 10.

*CONTACT: Mr C Stanley*

## **VISUAL ARTS**

Visual Arts is a two year course which involves creative & innovative thinking plus making and interpreting artworks and images. The course encourages the creative and confident use of both traditional and contemporary art forms including painting, drawing, sculpture, printing, ceramics, mixed media and digital imaging.

The two main content areas are making artworks, which is 70% of the course, critical and historical study, which is 30% of the course.

By making artworks, students give visual form to their ideas and feelings. By making artworks, students come to know and appreciate their culture and their visual world. Throughout the course, students study both historical and contemporary artworks which relate to the practical component of the course.

This course also involves excursions to local and Sydney art galleries and many opportunities for students to exhibit their own art in shows and competitions eg 5 Lands Walk, the One Night Only Expo and the Gosford Regional Gallery.

Students will have the opportunity to participate in the Interested and Talented extension program in Year 10 they work with participating artists, create props for our Drama performances plus a wide range of school work initiatives.

The knowledge, understanding, skills and values gained from the Visual Arts, assist students in building conceptual, practical and critical skills. These skills can be applied in many areas of employment which involve creativity and the ability to communicate in a visual way.

**Course Cost: There is a cost of \$30 in Year 9 and \$30 in Year 10, which covers the cost of materials used and is essential to maintain the programs offered.**

**Students also need to supply their own Visual Arts Diary.**

*CONTACT: Mrs C McGilvery, Ms M Hamilton, Ms S McNaught, Mr D Krix*

## **VISUAL DESIGN**

This is a two year course which involves innovative design in creating images & objects. This course involves the use of a wide variety of traditional and contemporary design forms including graphic design (skateboard art) architectural design (Cubby House Design), wearable art (fashion design), sticker and stencil design, jewellery design, event design and story book illustration.

A balance between designing using Adobe Illustrator, Adobe Photoshop and via traditional techniques is a focus of this course.

Students will develop understandings and skills required to design and make works which fulfil a range of functions and express and communicate their own ideas and feelings.

The two main content areas are making designed objects 70% and critical/historical appreciation 30%.

This course involves excursions to local and Sydney art galleries and workshops relevant to this exciting course.

Students will have many opportunities to exhibit their designed objects & images in shows and exhibitions eg 5 Lands Walk and the KHS One Night Only Expo.

Additionally, students will be invited to participate in the KHS Interested and Talented extension program in Year 10 where practicing artists teach and tutor our students.

**Course Cost: There will be a subject cost of \$35 in Year 9 and \$35 in Year 10, which covers the cost of materials used and is essential to maintain the programs offered. Students also need to supply their own Visual Arts Diary.**

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