



# NARROGIN SENIOR HIGH SCHOOL

## YEAR 9

## 2014

### Subject Selection Information



# WELCOME TO YEAR 9 2014

## NARROGIN SENIOR HIGH SCHOOL

This outline gives you information about Year 9 subjects and is designed to provide the basis for consultation between parents/caregivers, students and teachers.

In Year 9 all students will study English, Mathematics, Science, Society and Environment, and Health and Physical Education for four periods each week. Students will be allocated to pathways based on their Year 8 achievement. Parents/caregivers and students nevertheless have the right to have these pathways varied.

In addition to the compulsory subjects above, students can choose an additional option in these five Learning Areas. Students also have a choice of subjects from the Languages Other Than English, The Arts and Technology and Enterprise Learning Areas to complete their selections. All these subjects are taken over the whole year.

Should you have any difficulty in choosing an appropriate subject based on your strengths, interests and vocational aspirations, please make an appointment with your Year Leader or a Deputy Principal.

### YEAR 9 SUBJECTS

(Elective subjects 2 periods/week)

Learning Area/Subject	Length – Full Year
<b>English</b> Speech and Drama	4 periods/week 2 periods/week
<b>Mathematics</b> Mathematics Pure and Applied	4 periods/week 2 periods/week
<b>Science</b> Discovery Science	4 periods/week 2 periods/week
<b>Society and Environment</b> Communication Commerce	4 periods/week 2 periods/week
<b>Health and Physical Education</b> Academy Sports	4 periods/week 2 periods/week
<b>Languages Other Than English</b> LOTE (Indonesian)	2 periods/week
<b>The Arts</b> Integrated Arts Class Music	2 periods/week 2 periods/week
<b>Technology and Enterprise</b> Integrated Information Technology Wood Technology Metal Engineering Integrated Technology Food Science and Technology Child Care and Textiles	2 periods/week 2 periods/week 2 periods/week 2 periods/week 2 periods/week 2 periods/week

# YEAR 9 ENGLISH

Students are placed in pathways based on Year 8 results and the recommendations of teachers. It is possible for students to be moved to another pathway during the year if their performance changes significantly and class numbers allow.

PATHWAY 1	
	This pathway develops a sound grounding in the four strands of English, developing literacy in print and non-print, with some focus on critical and analytical skills. Students who do well in this pathway would normally be encouraged to study Stage 2 English in Year 11, while those who achieve a satisfactory level would be encouraged to study Stage 1 English.
PATHWAY 2	
	This pathway is offered to those students who have particular talent in English and who have been recommended for inclusion by their Year 8 teachers. It provides students with the critical and analytical skills required for inclusion in Year 10 Enrichment and then for Senior School.

## YEAR 9 SPEECH AND DRAMA

This programme will provide an introduction to drama and stage production. Students will be given practical skills and knowledge in the range of roles needed to put on a performance, including onstage, backstage and front of house. There are no prerequisites for this course other than enthusiasm and a willingness to participate in all activities. The focus for learning is on:

- Stage craft
- Mime
- Speech techniques
- Scripted drama
- Improvised drama

There will be at least two performances each semester and students may have the opportunity to participate in competitions such as the Eisteddfod and the Kojonup Speech and Drama Festival.



# YEAR 9 MATHEMATICS

Students are placed in pathways based on Year 8 results and recommendations of teachers. It is possible for students to be moved to another pathway during the year if performance changes significantly and class numbers allow.

PATHWAY 1	
	This pathway develops a solid grounding for students in all strands of Mathematics without becoming too abstract. Students who do well in this pathway would normally be encouraged to study Stage 1 or Stage 2 courses in Year 10.
PATHWAY 2	
	This pathway is designed for the student who has a flair for Mathematics and who likes the challenge of mathematical concepts that are found in Algebra, Trigonometry and general problem solving. Students who do well in this pathway would be encouraged to study the Pre - Engineering Mathematics subject or Stage 2 courses in Year 10.

## YEAR 9 MATHEMATICS PURE AND APPLIED

From absolute value and algebra to vectors and volumes, pure and applied mathematics delves deeper into concepts and content covered in the compulsory mathematics subject and explores ideas from Gauss, Goldbach, Euler, Pascal and Fibonacci. This subject should be selected by students who enjoy problem solving, working collaboratively and finding out how the world works. It is recommended that students take this subject in both Semester 1 and Semester 2.



# YEAR 9 SCIENCE

Science does not stream classes in Year 9 and therefore every student will study the same content and have common assessments. During Term 4, the HOLAS of Science will create Enrichment Science and General Science classes for Year 10.

At the end of 2013, the HOLAS of Science will create a Science Circus class, which will give selected students the opportunity to participate in an extra-curricula project. The specified project will involve the students travelling to another school and demonstrate their specialist project.

The Australian Curriculum dictates the Science curriculum at Narrogin Senior High School.

The science curriculum promotes six overarching ideas that highlight certain common approaches to a scientific view of the world and which can be applied to many of the areas of science understanding. These overarching ideas are patterns, order and organisation; form and function; stability and change; systems; scale and measurement and matter and energy.

Assessments are broken in to three sections. These sections are:

- i. Science Understanding
- ii. Science as Human Endeavour
- iii. Science Inquiry Skills

## YEAR 9 DISCOVERY SCIENCE

This subject is for those students who have an interest in Science and would like to complete practical activities. These activities may include:

- ◆ Rocketry
- ◆ Forensics
- ◆ Cosmetics
- ◆ Electronics
- ◆ Sports Science
- ◆ Engines and motorcycles
- ◆ Excursion to Scitech

Students may also be involved in the Science Circus which develops organisational, experimentation and communication skills and participate in an excursion to Scitech.

Any student who has a keen interest in Science and irrespective of academic ability would benefit from undertaking this subject.



# **YEAR 9 SOCIETY AND ENVIRONMENT**

The Society and Environment learning area develops students' understanding of how individuals and groups live together and interact with their physical and cultural environment. Students develop a respect for cultural heritage and a commitment to social justice, the democratic process and sustainability. These inform decision making that contributes to community cohesion and a positive future.

Areas of study include Australian government and law, biomes and food security, the making of the modern world from 1750 and economics and business.

Asia Literacy is the Department of Education's strategy to enhance the knowledge, skills and understandings about the histories, geographies, societies, cultures, literature and languages of the diverse countries that make up our region.

The themes studied in Year 9 are aimed at generating an understanding of Australia through the examination of the topics above. The programme aims to increase awareness and develop in students an understanding of their rights and responsibilities as citizens.

Students are placed in pathways based on Year 8 results and recommendations of teachers. It is possible for students to be moved to another pathway during the year if performance changes significantly and class numbers allow. All students will study the same subject content.

## **YEAR 9 Communication Commerce**

This course is broken into two sections; the first section is designed to introduce both personal and business money management (financial literacy) to the student through a detailed investigation of the financial sector (international and national). The course is aimed at students developing economic and financial knowledge, effective planning skills and to provide an understanding for the students to develop skills to select and interact with providers of goods and services. Including tasks such as,

Economics of an overseas holiday – students will plan and budget for a holiday.

Investigation into buying a car

The second section of this course is looking at connectedness of Australia with its region and the World. The focus of this section will be investigating the geography of the design and products used by students, such as fashion goods, mobile phones, sports gear and audio equipment. Students will look at global corporations in detail and undertake an investigation into one of these organisations. Students will also explore the truth of 'fair trade' in fair trade products such as chocolate and coffee. Students will also explore global connections with other countries in terms of tourism and trade.

Students will also have access to guest speakers from the Financial, Banking and Business and Tourism sector.

# YEAR 9 LANGUAGES OTHER THAN ENGLISH (INDONESIAN)

Languages are a strongly suggested pathway of study in Year 9. Students are encouraged to continue with the language they studied in the previous year to maximise competency and learning opportunities into their senior years of schooling.

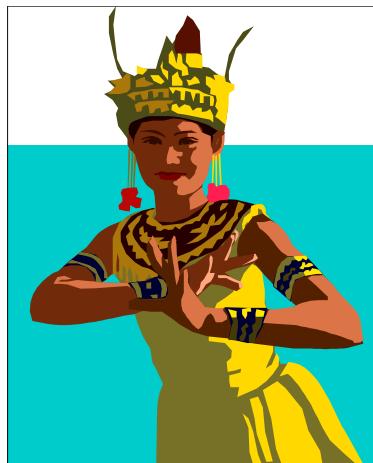
In this subject students will learn how to communicate appropriately in a language other than English. All languages have their own particular features and underlying cultural understandings that shape communication and enable the achievement of a range of communicative purposes.

Languages Other Than English develops students' abilities to:

- i. understand other languages and cultures
- ii. interact with people from other cultural backgrounds.

Students also explore the links between English and Indonesian, as well as the similarities and differences of the two cultures. Students will also participate in a wide variety of classroom activities, including the use of technology to assist in learning the Indonesian language.

*During the year, students will undertake an excursion programme to Perth where they will visit various locations, such as Murdoch University (Languages Department), the Indonesian consulate and experience Indonesian cuisine. Please note: Extra costs may be required for excursion.*



# YEAR 9 HEALTH AND PHYSICAL EDUCATION

Health and Physical Education enables young people to promote their own and others health, wellbeing, safety and participation in physical activity throughout their lifetime. The knowledge, understanding and skills in this area underpin the competence, confidence and commitment required for all students to engage in healthy, active living in varied and rapidly changing contexts.

Within the context of Physical Activity students learn hockey, badminton, softball and soft cross and soccer.

Within the context of Health students learn about legal and illegal drugs, safety and sexuality, lifestyle diseases and nutrition.

## YEAR 9 ACADEMY SPORTS

This subject is for students who have a strong interest in sport and fitness. The three academy sports are Hockey, Cricket and Netball. It may be possible for students to move between these sports during the year. For example, a student may choose to study Cricket in Term 1 and 4 and Hockey in Term 2 and 3. Furthermore, students will have access to cross training opportunities through a quality basketball programme. Other physical activities such as Pilates, Yoga and circuit training may also be available.

Hockey is taught at the Narrogin Recreation Centre on the synthetic turf. Netball is predominately taught at the school with some visits to the recreation centre. Cricket is taught at the school. Four synthetic nets, a central turf wicket along with specialist equipment such as ball machines give high quality opportunities for students to develop their skills and knowledge.

Academy Sports students also benefit from two half day sports carnivals and games against visiting schools.



# YR 9 ARTS LEARNING AREA

## YEAR 9 INTEGRATED ARTS

The Arts develop creative thought, including originality, problem solving, the understanding of complex situations and they help students to reflect on the motivations of others as well as developing interpersonal skills. The Arts support development and achievement in the general capabilities of students such as literacy, numeracy, information and communication technology, self-management, teamwork, social competence, intercultural understanding and creativity.

Our program will provide students with excellent facilities and specially trained teachers.

Students will study two periods per week of Integrated Arts. This subject involves combinations of projects in Visual Arts, Media, Photography and Music. Design and research are an integral part of all areas of study. Students are expected to reflect and respond to their own experiences and those of artists and peers.

There are four aspects to the Arts curriculum. In Year 9 students will be taught and assessed on:

- i. Arts ideas
- ii. Arts skills, Techniques and Processes
- iii. Arts Responses
- iv. Arts in Society

## YEAR 9 MUSIC

### CLASS MUSIC



This course develops musicianship in conjunction with the Instrumental and Ensemble Music subject. To be eligible for this course, students should:

Be learning an instrument from a school or Department of Education tutor, or

Be learning an instrument, such as the piano or voice from a private music teacher, or

Be learning keyboard from Year 8 music

Through practical music-making activities students will begin the study of different styles of music through history and develop skills in aural awareness, basic music knowledge and musical analysis. The subject provides:

Musical perception and basic music knowledge through listening and written work

Basic music keyboard skills

The organisation of a musical composition

An insight into many other styles and forms of music

### INSTRUMENTAL AND ENSEMBLE MUSIC

This subject is designed as a practical course to meet the perceived needs of the individual participating student. The ensemble section depends on the combination and availability of instruments in a specific school. Students do not need to select this subject as they are placed automatically if they studied Instrumental Music in Year 8.

Students undertaking this course **MUST** also do the accompanying Class Music. Students will study:

Posture and embouchure (if applicable)

Technical studies suitable to their level of expertise on their particular musical instruments

A variety of pieces which are graded to their individual needs

A wide ranging repertoire suitable for the ensemble group

# **Yr 9 TECHNOLOGY AND ENTERPRISE LEARNING AREA**

## **YEAR 9 INFORMATION TECHNOLOGY**

This subject will provide practical skills and knowledge of the essential elements of various software applications. Students will learn skills that enable them to operate a computer and use software applications including word processing, spreadsheets, databases, presentation packages, internet, email. Students will also learn about the different fields of information technology.

Upon successful completion of the subject students will have gained essential knowledge in the following areas:

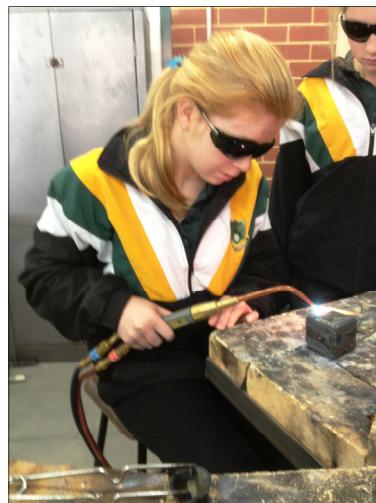
- i. Computer hardware and software
- ii. Computer technology
- iii. Microsoft applications
- iv. Data communications and the internet

## **YEAR 9 WOOD TECHNOLOGY**

In this subject students develop skills in designing, drawing, woodturning, freeform woodwork and model construction using the available technology. Projects may range from cutting boards to small boxes, foot stools and an occasional table.

## **YEAR 9 METAL ENGINEERING**

In this subject students are encouraged to develop their own ideas through drawing and then fabricating their models using machines, welding skills and fabrication techniques. Projects may range from jewellery items to garden tools, candle holders to spinning tops.



## **YEAR 9 INTEGRATED TECHNOLOGY**

Students will develop an understanding of Computer Assisted Drawing (CAD), design and manufacture in this subject. There will be an emphasis on using computers to communicate designs and control elements of the manufacturing process. Students will also develop an understanding of structures, systems and forces associated with each project. Challenges may include a bridge design, toy design and model car hill climb competition, mouse trap powered vehicle, CO<sub>2</sub> powered car race and robot maze race.

## **YEAR 9 FOOD SCIENCE AND TECHNOLOGY**

Students will continue to build on their knowledge and skills of the properties and preparation of a variety of food products. They will also learn about the importance of good nutrition. Practical lessons will focus on developing healthy alternatives to familiar takeaway foods and adapting processes and methods of food preparation.

**Studies in this area can become a pathway to further studies in Hospitality in the Trade Training Centre in Year 11 and 12 when a Certificate II can be completed.**



## **YEAR 9 CHILD CARE AND TEXTILES**

In this subject students will develop their understanding of child development by investigating first aid and the roles and responsibilities of a baby sitter. Students will also develop appropriate play activities suitable for a range of age groups. This subject provides a background for Child Care in subsequent years.

Students selecting this subject will study textile and fashion technology by making simple objects or garments and experimenting with fabrics, dyes and craft techniques. This subject prepares students for Year 10 Textiles and Fashion and entry to the APEX Teenage Fashion Awards. This subject is a pathway for students who wish to continue their study of fashion and textiles in Senior School.