

# NARROGIN SENIOR HIGH SCHOOL



**YEAR 9**  
**2017**  
**Subject Selection**  
**Information**

# WELCOME TO YEAR 9

## NARROGIN SENIOR HIGH SCHOOL

This outline gives you information about the curriculum programs for Year 9 students and is designed to provide the basis for consultation between parents/caregivers, students and teachers. Narrogin SHS endeavours to ensure that students in Year 9 receive a diverse curriculum that exposes all students to each of the eight Learning Areas.

All students will study four periods of English, Mathematics, Science, Humanities and Social Sciences, and Health and Physical Education each week. Students will be allocated to pathways based on their Year 8 achievement. It is possible for students to move from one pathway into another, at the end of Semester One, if their performance changes significantly and class numbers allow.

In addition to the compulsory subjects above, students can choose an additional five electives from Learning Areas. All these electives 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, Student Services Program Coordinator or Middle School Deputy Principal.

<b>YEAR 9 SUBJECTS</b> (Elective subjects 2 periods/week)		
<b>Learning Area/Subject</b>	<b>Length – Full Year</b>	<b>Est. Cost *</b>
<b>English</b>	4 periods/week	\$19.00
<b>Mathematics</b> Mathematics Pure and Applied Focus Mathematics	4 periods/week 2 periods/week 2 periods/week	\$19.00 \$16.00 \$19.00
<b>Science</b>	4 periods/week	\$30.00
<b>Humanities and Social Science</b> Financial Literacy	4 periods/week 2 periods/week	\$24.00 \$11.00
<b>Health and Physical Education</b> Academy Sports: Hockey, Netball, Cricket	4 periods/week 2 periods/week	\$30.00 \$110.00, \$55.00, \$55.00
<b>Languages</b> Indonesian	2 periods/week	\$20.00
<b>The Arts</b> Integrated Arts Class Music Drama Dance Photography	2 periods/week 2 periods/week 2 periods/week 2 periods/week 2 periods/week	\$23.00 \$23.00 \$15.00 \$25.00 \$45.00
<b>Technologies</b> 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	\$16.00 \$70.00 \$85.00 \$64.00 \$38.00 \$31.00

**\*These prices are an estimate based on current 2016 pricing but may be subject to change.**

# ENGLISH

In Year 9, students are placed into pathways based on their Year 8 results, their Attitude, Behaviour and Effort scores and on the recommendations of teachers. It is possible for students to move from one pathway into another, at the end of Semester One, if their performance changes significantly and class numbers allow. We also provide a Focus class for lower ability students.

The year-long program, for both pathways, utilises the interrelatedness of the three strands of Language, Literature and Literacy and each term's unit integrates the content from all three strands. Students cover themes within which tasks are set. These themes are:

- Sustainability
- Asia and Australia's Engagement with Asia
- Aboriginal and Torres Strait Islander Histories and Culture

The body of knowledge which students study, is marked against the Australian Curriculum year level descriptors and *Judging Standards in Year 9 English* (Schools Curriculum and Standards Authority). Both the content and the tasks are differentiated according to the students' needs.

Students are assessed on three strands:

- Reading and Viewing
- Writing
- Speaking and Listening

## Pathway 1 - NAEP

The Narrogin Academic Extension Pathway (NAEP) is offered, by invitation & examination, to students who have a particular talent for English. It builds upon a sound knowledge of Language, Literature and Literacy, in order to develop students' critical and analytical skills in addition to polishing their ability to apply their knowledge across genres. It is expected that students who join this pathway will go on to study ATAR English, in Years 11 and 12.

## Pathway 2 - General

This pathway continues to develop skills in Language, Literature and Literacy, with a focus on improving students' all round ability to work within a range of English genres. It is expected that students who join this pathway will study General English in years 11 and 12, although those students who do particularly well in this pathway may be suited to studying ATAR English.



# MATHEMATICS

In Year 9, students continue their study of the Australian Mathematics Curriculum which is organised around the interaction of three content strands and four proficiency strands. The proficiency strands are *Understanding*, *Fluency*, *Problem Solving*, and *Reasoning*. They describe how content is explored or developed, that is, the thinking and doing of Mathematics. They provide the language to build in the developmental aspects of the learning of Mathematics and have been incorporated into the content descriptions of the three content strands which described what is to be taught and learnt. The content strands are as follows:

## Number and Algebra

Students apply number sense and strategies for counting and representing numbers. They build on their understanding of the number system to describe relationships and formulate generalisations. They recognise equivalence and solve equations and inequalities. They apply their number and algebra skills to conduct investigations, solve problems and communicate their reasoning.

## Measurement and Geometry

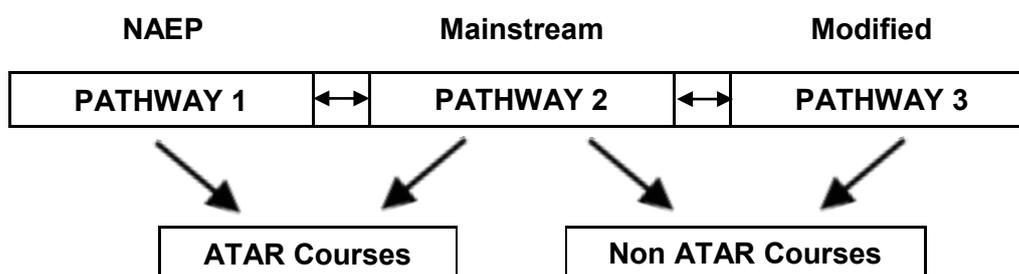
Students develop an increasingly sophisticated understanding of size, shape, relative position and movement of two-dimensional figures in the plane and three-dimensional objects in space. They make meaningful measurements of quantities, choosing appropriate metric units of measurement. They build an understanding of the connections between units, and calculate derived measures such as area, speed and density.

## Statistics and Probability

Students represent, summarise and interpret data and undertake purposeful investigations involving the collection and interpretation of data. They assess likelihood and assign probabilities using experimental and theoretical approaches.

As students progress mathematically at different rates, in Year 9 the Mathematics programs are expanded to cater for individual needs. Students will be allocated to pathways based on both their level of performance in Year 8 and on the teachers' judgements of their mathematical development.

## PATHWAYS



## MATHEMATICS ELECTIVE:

In Year 9, students have the opportunity to choose a mathematics elective and explore deeper into mathematics concepts and content covered in the compulsory mathematics subject. This elective should be selected by students who enjoy problem solving, working collaboratively and find out how mathematics apply in our society. It is recommended that students take this elective in both Semester One and Semester Two.

# SCIENCE

The Australian 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 into three sections:

- Science Understandings
- Science as Human Endeavour
- Science Inquiry Skills

Science does not stream classes in Year 9 and therefore every student will study the same content and have common assessments.

In Year 9, students are introduced to chemical processes and natural radioactivity in terms of atoms and energy transfers and investigate examples of important chemical reactions. They describe models of energy transfer and apply these to explain phenomena. They explain global features and events in terms of geological processes and timescales. They analyse how biological systems function and respond to external changes with reference to interdependencies, energy transfers and flows of matter. They describe social and technological factors that have influenced scientific developments and predict how future applications of science and technology may affect people's lives.



# HUMANITIES AND SOCIAL SCIENCES

The Humanities and Social Sciences 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.

Themes studied are Australian government and law, biomes, food and fibre production, climates affect on biomes, interrelationships between human activity and environmental change over time, interconnections between people, the making of the modern world from 1750, economics and business, culture and Australia's nearest neighbours.

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.



## YEAR 9 FINANCIAL LITERACY (ELECTIVE)

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,

- Design an Advert Competition
- Economics of an overseas holiday - students will plan and budget for a holiday.
- Investigation into running a business - including customer service and satisfaction, turning businesses paperless etc. \$20 Boss In-School Challenge (The Foundation of Young Australians)
- Food Miles - linking the global food industry, hospitality and financial costs.

The second section of this course is examining the 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.

# LANGUAGES - 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.

Learning a language is the best way to learn about societies and cultures other than our own and it assists us to see the world from another perspective. Languages education is an integral part of a balanced school curriculum. Learning languages plays an important role in preparing students for participation as global citizens within the 21st century. There are many benefits of learning a language, which includes being able to communicate within and across cultures, an extension on literacy skills, creating an appreciation plus respect for diversity and difference.

There are four outcomes to the Languages curriculum. Students will be taught and assessed on:

- Listening, Responding and Speaking
  - Viewing, Reading and Responding
  - Writing
- plus* Cultural Understandings

Students will study contexts such as: traditional and trendy clothes, I love shopping, diversity in Indonesia, city life/village life, at the markets, at the restaurant, aspects of socialising, aspects of lifestyles currency, the Indonesian concept of time and the role of technology in people's lives.

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. Students will interact with MAN4, Jakarta (our sister school) via web technologies, pen pals or through visits (reciprocal visits).*



# HEALTH AND PHYSICAL EDUCATION

## GENERAL HEALTH AND PHYSICAL EDUCATION

General 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, as well as Career education.

All students will study General Health and Physical Education.

## 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 One and Four and Hockey in Term Two and Three. Furthermore, students will have access to cross training opportunities through a quality basketball program. 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.



### Sports Academy Uniform

available from Steelo's Guns and Camping,  
Egerton Street Narrogin.

## SPORT ELECTIVE

### AFL / BASKETBALL

This elective is for students who are interested in honing and developing their skills in the above two sports. The students who choose this elective will also be able to access other sporting opportunities during the terms where the respective sporting season has finished. There may be the opportunity during the year for some competitive games against other school teams.

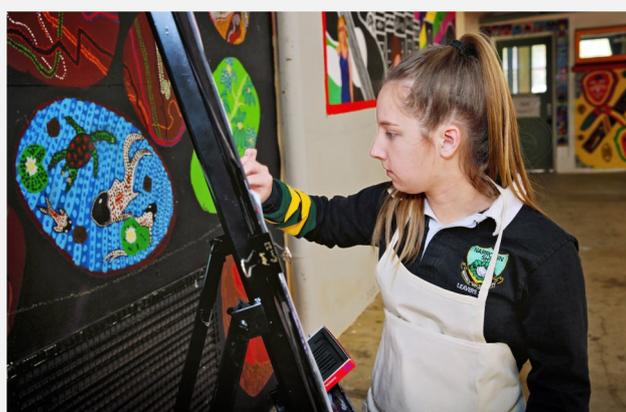
# THE ARTS

The Arts entertain, inform, challenge, and encourage responses, and enrich our knowledge of self, communities, world cultures and histories. The Arts contribute to the development of confident and creative individuals, nurturing and challenging active and informed citizens. Learning in the Arts is based on cognitive, affective and sensory responses to arts practices as students revisit increasingly complex content, skills and processes with developing confidence and sophistication through the years of schooling. In Year 9, students have a choice of studying Visual Arts, Class Music, Drama or Photography. Our program will provide students with excellent facilities and specially trained teachers.

## VISUAL ARTS

In Year 9, students use visual language and artistic conventions of greater complexity during their design and production process. They document their ideas applying understanding of compositional structure to create a unique personal response, while representing either a theme/concept or subject matter. Students experience, adapt and manipulate materials, techniques, art styles/processes when producing artworks which communicate artistic intention. Resolved artworks are displayed and evaluated, with consideration to personal expression and audience. In Year 9, the learning focus is on:

- Pop Art
- Still Life drawing
- Aboriginal and Torres Strait Islander Art



## MUSIC

### CLASS MUSIC

*This subject is compulsory for **ALL** band students and develops musicianship in conjunction with the Instrumental Music course.*

In Year 9, students continue to build on music skills and knowledge across a range of performing, composing, aural and listening activities. They continue to develop aural skills and aural memory to identify, sing/play and notate rhythmic passages, melodic patterns based on familiar scale forms and familiar chord progressions. Students use composition models and techniques, applying stylistic features and conventions to compose works in a range of styles, as well as performing solos and in ensembles.

### INSTRUMENTAL MUSIC

This subject is compulsory for all band students and is offered in conjunction with the Instrumental Music School Services (IMSS). Individual and small group lessons will assist the student to develop skills in a specific instrument. Currently, the school offers instrumental tuition on the following instruments: Flute, Clarinet, Trumpet, Low Brass and Percussion.



# THE ARTS

## 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



## PHOTOGRAPHY

This course is designed for students and will provide an introduction to the rudiments of photography and incorporates them learning about aperture – depth of field, composition, shutter speed, lens focal length, ISO, exposure and f-stops, using both digital and analogue (film) single lens reflex cameras.

The students will need to be able to use a desktop computer and be familiar with the Microsoft Word and Publisher programs. The course also introduces editing using the industry standard software Adobe Photoshop. In semester one students are taught the range of controls and how to manipulate them to achieve desired results. In the second semester students use these skills in the darkroom (film and chemical processing) and in the computer laboratory to produce images for fashion – studio portraiture and still life advertising. There are no prerequisites for this course other than initiative, and having a creative eye through the viewfinder.



## DANCE

In Year 9, Dance students are given opportunities to choreograph using the elements of dance, choreographic devices and structures for choreographic intent. They develop their technical dance skills and build on their awareness of the body, and how it is used in specific dance styles. They discuss the use of choreography and design concepts on different dance works.

In Year 9 the learning focuses will be:

- The four elements of dance
- Jazz
- Contemporary
- Hip-hop

# TECHNOLOGIES

## 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, spread sheets, 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:

- Computer hardware and software
- Computer technology
- Microsoft applications
- Data communications and the internet

## 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 a mirror stand.



## 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.

## AUTOMATED SYSTEMS

Students will complete a study of introductory electronics components and principles, use diagrams to assist in the assembly of models; gain an understanding of the basic principles of prototyping using a micro-controller to manage inputs/sensors and outputs such as light, sound and motion. Our aim is for capable students to be able to build and apply code to prototype a basic robotic vehicle.

# TECHNOLOGIES

## FOOD SCIENCE & TECHNOLOGY (SNACK ATTACK)

Students will continue to build on their knowledge and skills of the properties and preparation of a variety of food and beverage products. They will also learn about the importance of good nutrition and investigate the nutritional content of drinks. 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 where a Certificate II can be completed.**



## 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.

## YEAR 9 - 2017 SUBJECT SELECTIONS

### COMPULSORY SUBJECTS

All students in Year 9 will study the following compulsory subjects.

English	Four Periods a week
Mathematics	Four Periods a week
Science	Four Periods a week
Humanities and Social Sciences	Four Periods a week
Health & Physical Education	Four Periods a week

### ELECTIVE SUBJECTS

Students will study five (5) elective subjects from those listed below, and all subjects are studied over the year.

Please number your selections from 1 to 7 (#1 being your most preferred option) in the unshaded boxes below.  
(Note: Selections 6 and 7 are reserve subjects)

ALL ELECTIVE SUBJECTS ARE FULL YEAR COURSES	Number 1 to 7 in the boxes below
<b>Mathematics</b>	
Focus <span style="float: right;">- for those who wish to better understand the Mathematics being taught in their current class</span>	▼
Applied <span style="float: right;">- an inquiry based course so as to gain a deeper understanding of core concepts necessary for ATAR</span>	▼
<b>Humanities and Social Sciences</b>	
Financial Literacy <span style="float: right;">- students will gain an insight into becoming more financially literate through budgeting</span>	▼
<b>Health &amp; Physical Education</b>	
Academy Sports	▼
Tick ONE of the following Sports	<input type="checkbox"/> Cricket <input type="checkbox"/> Hockey <input type="checkbox"/> Netball
<b>Languages</b>	
Indonesian <span style="float: right;">- provides students with essential vocabulary and cultural knowledge and understanding</span>	▼
<b>Technologies</b>	
Information Technology <span style="float: right;">- students will learn to operate a computer</span>	▼
Wood Technology <span style="float: right;">- students will develop skills in woodwork</span>	▼
Metal Engineering <span style="float: right;">- students will develop welding skills</span>	▼
Automated Systems <span style="float: right;">- students will learn the basics of electronics</span>	▼
Food Science & Technology <span style="float: right;">- students will learn about the importance of food and health</span>	▼
Child Care & Textiles <span style="float: right;">- students will learn about child development</span>	▼
<b>Arts</b>	
Visual Arts <span style="float: right;">- projects are completed with some or all of the arts forms of drama, media, music and visual arts</span>	▼
Class Music <span style="float: right;">- allows for the opportunity to express sound through the key activities of creation, performance and reflection</span>	▼
Drama <span style="float: right;">- creativity is expressed through the key activities of playmaking, performance and critical reflection</span>	▼
Photography <span style="float: right;">- students express creativity through visual inquiry, studio practice, exhibition and reflection</span>	▼
Dance <span style="float: right;">- students develop skills in technical dance, choreography and a variety of different styles</span>	▼

STUDENT NAME:

STUDENT SIGNATURE:

PARENT SIGNATURE:

CONTACT NUMBER:

PREVIOUS SCHOOL:   
(IF A NEW STUDENT)

This form must be returned to the front office no later than **29 August 2016**

Save as ...

DATE RECEIVED \_/\_/\_

PROCESSED \_/\_/\_