YEAR 9
2015
Subject Selection Information
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 Student Manager, Student Services Manager or Middle School Deputy Principal.

<table>
<thead>
<tr>
<th>Learning Area/Subject</th>
<th>Length – Full Year</th>
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<tbody>
<tr>
<td><strong>English</strong></td>
<td>4 periods/week</td>
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<tr>
<td><strong>Mathematics</strong></td>
<td>4 periods/week</td>
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<tr>
<td>Mathematics Pure and Applied</td>
<td>2 periods/week</td>
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<tr>
<td>Focus Mathematics</td>
<td>2 periods/week</td>
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<tr>
<td><strong>Science</strong></td>
<td>4 periods/week</td>
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<tr>
<td>Discovery Science</td>
<td>2 periods/week</td>
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<tr>
<td><strong>Humanities and Social Science</strong></td>
<td>4 periods/week</td>
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<tr>
<td>Communication Commerce</td>
<td>2 periods/week</td>
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<tr>
<td><strong>Health and Physical Education</strong></td>
<td>4 periods/week</td>
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<tr>
<td>Academy Sports</td>
<td>2 periods/week</td>
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<tr>
<td><strong>Languages</strong></td>
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<tr>
<td>LOTE (Indonesian)</td>
<td>2 periods/week</td>
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<tr>
<td><strong>The Arts</strong></td>
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<tr>
<td>Integrated Arts</td>
<td>2 periods/week</td>
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<tr>
<td>Class Music</td>
<td>2 periods/week</td>
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<tr>
<td>Drama</td>
<td>2 periods/week</td>
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<td><strong>Technologies</strong></td>
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<td>Information Technology</td>
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<td>Wood Technology</td>
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<td>Metal Engineering</td>
<td>2 periods/week</td>
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<tr>
<td>Integrated Technology</td>
<td>2 periods/week</td>
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<tr>
<td>Food Science and Technology</td>
<td>2 periods/week</td>
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<tr>
<td>Child Care and Textiles</td>
<td>2 periods/week</td>
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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.

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 one theme per term within which receptive and productive tasks are set. These themes are:

- Sustainability
- Personal and Social Capabilities and Ethical Understanding
- Asia and Australian Engagement
- Aboriginal and Islander Histories and Culture: Intercultural Understanding

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 only, 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, or Literature, 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.
AUSTRALIAN CURRICULUM: MATHEMATICS

All students study the Australian Mathematics Curriculum which is organised around the interaction of three content strands:

- Number and Algebra
- Measurement and Geometry
- Statistics and Probability.

In Year 9, students continue their study of the Australian Mathematics curriculum through the Narrogin Academic Extension Program (NAEP) or the general classes. General classes are not streamed.

Students will be provided with the opportunity to develop their mathematical understanding and knowledge using the proficiency strands of Understanding, Fluency, Problem Solving, and Reasoning. They describe how content is explored or developed, that is, the thinking and doing of mathematics.

MATHEMATICS ELECTIVES:

PURE AND APPLIED

From absolute value 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 elective 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 elective in both Semester One and Semester Two.

FOCUS MATHEMATICS

This elective is for students who experience difficulties with their General Mathematics and wish to receive further support to improve their understanding and mathematical knowledge. This course would focus on the Number strand and develop students understanding of percentages, fractions and decimals.
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. At the end of 2014, the HOLA of Science will create a Science Circus class, which will give selected current year 8 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.

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.

**SCIENCE ELECTIVE**

**DISCOVERY SCIENCE**

This subject is for those students who have an interest in the physical and the biological sciences. It will cover many areas and is designed to allow students to have an opportunity to enjoy activities that would not usually be taught in the compulsory class. Topics and activities that will be explored to gain an understanding of important concepts include:

- Rocketry
- Forensics
- Cosmetics
- Electronics
- Sports Science
- Engines and motorcycles
- Agricultural Science

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

- 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.
- 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. Students will also explore global connections with other countries in terms of tourism and trade. This section will heavily involve the use of ICT as a means of gathering and then reporting on findings.
LANGUAGES (LOTE) - 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
- 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 and*
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.
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.
INTEGRATED ARTS

The Arts develop creative thinking, 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:

- Arts ideas
- Arts skills, Techniques and Processes
- Arts Responses
- Arts in Society

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
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
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:

- 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.

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, CO2 powered car race and robot maze race.
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.

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.