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An Independent Public School



**2017**  
*Year 9*  
*Elective Selection*  
*Handbook*



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An Independent Public School

**Dalyellup College**  
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**NOTE: Course charges as listed are a guide only for 2017.** Inflation, changing costs and curriculum changes may change estimated course charges for 2017. Final charges will be contained in the **2017 Charges and Voluntary Contributions Booklet** which will be distributed by 1 December 2016.

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## General Information

The Western Australian Curriculum and Assessment Outline sets out the knowledge, understandings, skills, values and attitudes that students are expected to acquire and guidelines for the assessment of student achievement..

The Curriculum is taught within eight Learning Areas. These Learning Areas are:

- Arts
- English
- Health and Physical Education
- Humanities and Social Sciences
- Languages
- Mathematics
- Science
- Technologies

In 2017, all Year 9 students will continue to study courses in English, Mathematics, Science, Humanities and Social Science and Health and Physical Education. The structure of each of these classes may vary from year to year to best meet the needs of students in preparation for education and training beyond Year 9.

Students will also have the opportunity to select three electives in each semester.

As an independent public government secondary school, we offer electives to students, to allow them a range of choice in what they study and to enable students to choose courses from specific learning areas that will be most applicable to their future employment, training and the selection of courses in Year 11 and 12.

As they progress towards Year 11 and 12, it is important to consider what electives will give your son or daughter the best understanding of what particular subjects or courses are all about. As such, we would recommend that any student that wishes to pursue a particular pathway should choose electives that give an insight into that area of study in Year 11 and 12.

**Students must select at least one elective from Arts and one elective from Technologies.**

Year 9 elective selections for 2017 are due on Friday 9 September 2016.

In 2017 Dalyellup College will continue to implement the STEMS program for high achieving students in English, mathematics, science, and humanities and social sciences. This is an aspirational program designed to further the knowledge, skills and understanding of students who demonstrate the potential to become leaders in the school and advance through to academic study in Years 11 and 12. The aim of this program is to enhance participating students' learning capacity and their ability to improve their overall performance and success with their academic achievement.

The STEMS program is a four year course that builds in complexity as a student progresses through Years 7 to 10. It is designed to enhance and extend selected students across all areas of the curriculum.

Jeff Macnish  
Principal

# STEM What is it?



## Overview

STEMS is an acronym for **Science, Technology, Engineering, Mathematics and Society**. The Dalyellup College STEMS program extends and enhances student understanding of the skills needed in the 21<sup>st</sup> century. Through a balance of intellectual and practical tasks, students will acquire and develop the generic and transferable skills that have been identified as essential for success in a changing world.

Using an investigative approach, students examine current issues and problems faced by societies in order to develop their own problem-solving skills that use the knowledge and principles of Science, Technology, Engineering and Mathematics.

The application of these fields is informed and managed through the knowledge and principles of the Humanities and Social Sciences.

The STEMS program actively engages students in finding solutions to real-world social problems through a multi-disciplinary approach.

The world of the future depends upon the youth of today!

### **So...could you design and build:**

- a shelter for the homeless in disaster areas?
- a solar powered distillation system to purify water?
- a wind turbine to provide low cost power?

### **Or, could you find a way to:**

- reinforce concrete with alternative recycled materials?
- use alternative lubricants in bearings?

### **How about investigating:**

- the effect of phone screens on how well people sleep?
- the most effective design to use when building bridges?

These are just some of the projects that students worked on in STEMS throughout 2015.

### **So how do you get into STEMS?**

Get your grades up in English, Mathematics, Science, HASS and Technology. You will need a minimum of two 'A' grades and two 'B' grades.

Students will be invited to enter the program based on their previous reports from either semester.

**Approximate course charge: \$37.00**

## Year 9 Electives

### Process

- **All students are required to participate in Physical Education.**  
This will be Physical Education or the Specialist Cricket Program.
- **Students choose three electives in each semester,** (Cricket students will only choose two electives). Students nominate on the Elective Selection Form their first and second elective preference for each gridline.
- **Students must choose one elective from The Arts and one elective from Technologies during the year.**
- **Course charges are per semester except where electives operate for a full year.**
- **Sign the form and return it to the main office** – Course selection forms are due to the administration office by **Friday 9 September, 2016.**

Please read the elective selection sheet carefully as some electives run for a whole year. Some can be chosen in Semester 1 and Semester 2 and some can only be taken for one semester.

Students may change options during the first two weeks of each semester. Parents will be advised of the procedure. Parent consent will be gained and statements to reflect the change in course charges will be issued. Where necessary, refunds can be arranged if the new course costs are less than the previous choice.

Not all courses listed on the selection sheet will run. Only courses with sufficient student interest will be offered in 2017.

### NOTE:

Parents and guardians should take note that charges for these options are compulsory and are required to be paid by the due date of **Friday 3 March 2017**. There are a number of nil cost courses available.

Course charges noted are a guide only for 2017. Inflation, changing costs and curriculum changes may change actual course charges for 2017. Final charges will be contained in the 2017 Charges and Voluntary Contributions Booklet which will be distributed by 1 December 2016.

# 2017 YEAR 9 COURSE DESCRIPTIONS

## TECHNOLOGIES

## HOME ECONOMICS

### Food - Naked Ingredients - Semester 1

9FOOD1

The focus of this unit is on the ingredients we use to produce recipes. What are 'naked ingredients' and how do we dress them up to make them attractive and palatable. Students will investigate the nutritional relevance of naked ingredients and the various ways the ingredients can be used in recipes.

Students will be exposed to recipes that explore traditional and current trends in food combinations. They will create and produce food using the dietary guidelines for teenagers.

**Approximate course charge: \$55.00**

### Food - Timeless Classics in Food - Semester 2

9FOOD2

The focus of this unit is culinary history - what it is, how it's done, and why it is relevant. The course also examines the application of culinary history to explore the different processes by which cuisines and culinary traditions develop, reviewing reactions and responses to the introduction of new ingredients.

Students will create and produce classic food recipes, be exposed to a wide variety of kitchen equipment developed to enhance the production of food, look at the current trends in food and the historical development of culinary traditions and examine trends with current food issues that affect our lifestyle.

**Approximate course charge: \$55.00**

### Fashion and Textiles - Semester 2

9F&T2

This course focuses on students building and developing skills and competency with a sewing machine. They will learn how to create garments for themselves from woven and knit fabrics along with the ability to create accessories to dress up garments. Students will learn about fibres, how they are converted into fabrics and the different properties they have which make them suitable for a variety of uses. Textile design will be investigated and students will have the opportunity to create their own fabrics through dyeing and fabric painting.

**Approximate course charge: \$30.00**

**Caring for Children - Semester 1****9CARE1**

This course begins by exploring families and the part they play in a child's life. Students will study their own milestones of infancy and family tree to allow them to discover the importance of development, growth and heritage. They will develop a basic understanding about pregnancy; the signs of, physical changes, care during and the nutrition required. Then they follow the journey after child birth through infancy; looking at bathing, feeding and clothing infants along with the physical, emotional and social needs. Students investigate how language develops through music and book reading. The course continues on to focus on caring for children through first aid, and babysitting.

The course also has a large practical component in which students use their creative ability to make various items for young children including a box of items suitable for babysitting and a toy from recycled materials. They experience responsibility first hand by having the opportunity to care for "an egg" for a week.

The course is also enriched by the use of guest speakers such as a community nurse, pregnant women and new mothers.

**Approximate course charge: \$30.00**

**Digital Photography - Semester 1 or 2****9PHT1 9PHT2**

Students will be introduced to digital photography in a course which gives a general overview of the items listed below while also focusing on producing excellent photographic images.

Students will cover:

- Essential introduction to photographic techniques.
- Use of digital cameras
- Portrait photography, still life
- Image manipulation
- Lighting techniques

**Approximate course charge: \$30.00**

**INFORMATION TECHNOLOGY****Information Technology- Semester 1 or 2****9IT1 9IT2**

Students wishing to become familiar with computers and the Digital World should select and use this fundamental course as a basis for their IT skills or career. This course is intended for students who wish to begin developing such skills in information technology and computing. The course provides opportunities for developing knowledge in a fun and creative way using common programs such as

- |              |             |
|--------------|-------------|
| ❖ Word       | ❖ Excel     |
| ❖ PowerPoint | ❖ Publisher |

**Approximate course charge: \$20**

**Computer Assisted Drafting- Semester 1 or 2****9CAD1 9CAD2**

Using AutoDESK “Revit Architectural” (state of the art industry standard software.) students will design, draft and make a scaled residential dwelling. Students will also develop 3 dimensional solid modeling skills using AutoDESK Inventor software by designing and making projects which may include 3D printed model rockets, LCD digital clock, blue tooth speaker or similar product design tasks. CAD also allows students to make real life connections between Science and Engineering and is highly recommended as a prerequisite for students pursuing a trade qualification or an engineering based science degree in future years.

**Approximate course charge: \$20.00**

**DESIGN AND TECHNOLOGY**

In these courses students gain experience with hand tools, power tools and machinery whilst learning workshop safety and procedures, to complete projects with manual and technical skills suited to current and future industries.

Choose from the following courses:

**Woodwork - Semester 1 or 2****9WOOD1 9WOOD2**

This hands on, practical unit, is designed to allow students to work productively in a woodworking environment. Students use a range of hand and power tools as well as fixed machinery to produce a variety of wooden projects. This course is well suited for any student wanting to pursue a career in the construction industry or with an interest in creating wooden artifacts and furniture. Students who can work safely and cooperatively and strive to achieve a high quality of work will find success in this unit.

**Approximate course charge: \$40.00**

**Metalwork - Semester 1 or 2****9METAL1 9METAL2**

This practical course provides opportunities for students to develop knowledge, understanding and skills in relation to metal and associated industries.

Core skills in the use of materials, tools and techniques related to metal are enhanced through the production of several practical projects. This provides opportunities for students to develop specific knowledge, understanding and skills in the following areas.

- Safety
- Practical applications of ferrous and non-ferrous metals
- Sheet metal fabrication
- Jewellery making
- Use of hand tools, power tools and workshop machinery

Students will also gain experience in various joining processes such as soldering, brazing and welding.

**Approximate course charge: \$30.00**

## LANGUAGES

### Chinese Second Language - Year Long Course

9CHIN1 9CHIN2

The Year 9 Chinese language program is designed to further develop the student's skills (listening, responding and speaking) in order to communicate effectively in the language. Students will view and read a variety of texts and respond appropriately. They will also be able to write texts independently in Chinese. Students will further develop cultural understandings, recognise pattern and rules when using Chinese and rehearse purposeful language for use in real life situations.

Students will have access to online resources and work in cooperative learning situations. Students will study a range of topics within this course.

These include:

- The Chinese culture
- Ordering drinks in a restaurant setting
- Leisure time
- Health and Fitness
- School subjects and jobs
- Discuss food preferences
- Express opinions, interests and hobbies
- Describe clothing, personality and family

Students will also have the opportunity to communicate with students in China through our sister schools program.

**Approximate course charge: \$ 29.00**



## THE ARTS

### DRAMA

#### Drama Extension - Year Long or Semester Course

9DRA1 9DRA2

The Arts learning area encourages the development of culture and self through the creative exploration of ideas, skills and processes that lead to an increased understanding of art works. Drama forms an integral part of the cultural, social and economic life of Australia. It is a significant means of defining Australian culture.

Drama Extension experiences provide students with a well-developed understanding of the historical origins of theatre and performance. Students are exposed to script interpretation, play building and performance skills. Students are taught the elements of Drama with a focus on improvisation and devising original performance works.

As part of this course, students will have the opportunity to perform to live audiences (including taking part in the annual Youth on Health Festival) and students will also have the opportunity to attend live theatre performances to provide insights into the role of the Arts in Society.

**Approximate course charge: \$30.00**

### MEDIA

#### Media – Semester 1 or 2

9MEDIA1 9MEDIA2

Students achieve outcomes through a focus on production work. Students will learn and apply techniques of cinematography, film editing, sound design and audio editing in order to produce work that tells a story. Students generate ideas, conduct research, script and plan production, select appropriate techniques to create media works that communicate ideas and emotions. Students utilise a specialised range of industry-standard technologies to produce their work. They reflect upon, evaluate, modify and present their media works to an audience and evaluate meanings created in their own media works and those of others.

This course will have focus on:

- Shot design and composition
- Editing techniques
- Sound design
- Podcasting & Radio
- Animation techniques
- Documentary film

**Approximate course charge: \$25**

## MUSIC

### Music – Semester 1: Covers and Remixes

9MUS1

Students in music will be encouraged to create, devise, express and understand music that is relevant to them. They will build towards performance in a public forum such as school assemblies and concerts.

Students will take ownership of their learning by selecting genres of their interest. Examples of genres include: Hip-hop, Techno, Electronic, Rock, Indie and other popular genres. They will learn about music, its place in society and its technology by composing/arranging, performing, listening and responding to music within the chosen genres.

In this course, students will learn to play existing songs (in their chosen genre). They will then develop their understanding of music by creating covers or different remixes of songs to be presented to an audience.

Students of all stages of musical understanding are welcome and all will be encouraged to further their understanding in all areas of music.

Completing Music in Semester 1 and 2 will prepare students for Certificate II Creative Arts: Music in Year 11.

**Approximate course charge: \$20.00**

### Music – Semester 2 : The Originals

9MUS2

Students in this course will be encouraged to create, devise, express and understand music that is relevant to them. This unit will focus on students developing their skills in song writing, with a focus on presenting their original pieces of music to an audience. They will build towards performance in a public forum such as school assemblies, concerts, and exemplary work will have the opportunity to be involved in Triple J's Unearthed High.

Students will take ownership of their learning by selecting genres of their interest. Examples of genres include: Hip-hop, Techno, Electronic, Alternative, Indie and other popular genres. They will learn about music, its place in society and its technology by composing/arranging, performing, listening and responding to music within the chosen genres.

In this course, students will learn to create and perform their own songs (in their chosen genre). They will develop their understanding of music by creating short riffs, chords and lyrics and shape them into music.

Students of all stages of musical understanding are welcome and all will be encouraged to further their understanding in all areas of music.

Completing Music in Semester 1 and 2 will prepare students for Certificate II Creative Arts: Music in Year 11.

**Approximate course charge: \$20.00**

## Extension Music – Year Long Course

9XMUS1 9XMUS2

**Compulsory for students studying an instrument with a SIM teacher.**

Students in music extension will be encouraged to create, devise, express and understand music within different musical genres. Experiences in class will provide students with a well-developed understanding of historical developments in music. Essential musical elements, evaluation techniques, responses and creation of musical ideas will be taught and encouraged in each student. This, along with instrumental study, will allow students to develop the knowledge to become a well-rounded musician.

As part of this course, students will have many opportunities to perform within the concert band platform and other small group ensembles, to live audiences (including taking part in Queen's Cup) and students will also have the opportunity to attend live performances to provide insights into the role of Arts in Society.

Completing this year long course will prepare students for ATAR Music, General Music, and/or Certificate II Creative Arts: Music in Year 11.

**Approximate course charge: \$30.00**

## VISUAL ARTS

### Concepts in 2D- Semester 1

9VAR1

This unit focuses on the exploration of art through drawing skills, print media, collage, painting, textiles in 2D works. Students will have the opportunity to explore a range of media to complete a number of artworks. This course has a strong emphasis on drawing skill development and students will be expected to maintain a portfolio of work.

**Approximate course charge: \$35.00**

### Exploration of Space - Semester 2

9VAR2

Students will explore the concepts of 3D artworks and use their skills to develop completed artworks in both 2D and 3D using a variety of sculptural mediums. This course has a strong emphasis on drawing skill development and students will be expected to maintain a portfolio of work.

Students in both courses will also look briefly at the history of arts through their art projects and learn about the importance art has in society. These courses are well suited for those students who wish to pursue Visual Arts in Year 11 and 12.

**Approximate course charge: \$35.00**

### Art and Craft - Semester 1 or 2

9A&C1 9A&C2

Are you a creative, innovative free thinking artist who loves playing with different mediums? Here is your chance to develop your ideas and skills in the areas that interest you. Students will be able to create individual works in a number of different mediums including clay, Paper Mache, mosaics and textiles. You will be able to work in groups to make projects based on public arts and drama, including designing sets and props, from walls to jewellery. Come and explore your artistic side in a relaxing, creative environment where your inspirations and fantasies can come alive.

**Approximate course charge: \$30.00**

**Dance - Semester 1 &/or Semester 2****9DANC1 9DANC2**

Students in the Dance program will be involved in a variety of performances at a school level and professional level. Students will have the opportunity to showcase their work within the school and community.

Students in Year 9 participate in dance classes specifically designed to challenge and develop movement techniques. Students will learn techniques in jazz, ballet, contemporary, lyrical, funk, hip hop and cultural dance and will develop choreography skills through creative dancing. They will also learn about the production side of dance and will have experience in critiquing dance work. Through visiting choreographers and participating in weekly dance classes, students will learn to develop creativity, technique, movement, vocabulary, rhythm, coordination and an understanding of arts criticism. There are many employment opportunities for students in the dance field.

**Approximate course charge: \$35.00**

**SCIENCE****Applied Science - Forensics Science -Semester 1****9APSC1**

As you will have seen on many of the shows on TV, Forensic Science is a key aspect of catching criminals. In this course you will explore many of the techniques used by modern law enforcement agencies. How do they work? What are the clues that are hidden at the scene of every crime? Find this out and, along the way, 'catch the crim!'

**Approximate course charge: \$22**

**Applied Science – Flight- Semester 2****9APSC2**

**Up, up and Awaaaaayyyy!!!!!!**

It's all the rage! Superman...Supergirl...Superdog...How about you?  
Do you have what it takes?



Humans have always wanted to fly - but it's not as easy as you might think. Or is it? We have the answer!!!! So, come and see how good you are at flying. Test your skills against your friends as you explore the flight of kites, planes, helicopters, hot air balloons, rockets, moon landers...Build 'em, test em, fly 'em...and explore how pilots train with flight simulators...

**Approximate course charge: \$31.00**

NB: We are planning a trip to an airfield and, if available, the use of a professional flight simulator used for trainee pilots. If this opportunity goes ahead, and you want to go there will be an additional cost for this part of the program to cover transport and the use of the facilities.

## HEALTH AND PHYSICAL EDUCATION

### Physical Education

***Compulsory for all students (unless enrolled in the Specialist Cricket Program)***

Students are provided with opportunities to develop a range of skills and knowledge through a variety of physical activities and sports. Students will also be provided with opportunities to extend their knowledge and understanding of their own and others' physical, mental/emotional and social health, through the study of a variety of health issues.

**Approximate course charge: Nil**

### Recreation - Semester 1 or 2

**9REC1 9REC2**

Students will have the opportunity to pursue recreational sporting interests that they otherwise would not have in physical education. This may include archery, table tennis, ten pin bowling, squash, badminton, mountain biking and games to promote team building. Students must be prepared to accept a high degree of responsibility in using expensive equipment and to be trusted while off school site at times. The significant cost for this course is for maintenance and replacement of essential equipment.

**Approximate course charge: \$70.00**

### Outdoor Education - Semester 1 or 2

**9OED1 9OED2**

Students will be challenged with more advanced outdoor skills as they prepare for an expedition camp. After a refresher of the basic principles students will learn about orienteering, navigation, roping skills, camp cooking, mountain biking, camping preparation and first aid. Students will need to develop good skills in working as part of a team and cooperating to solve problems.

**Approximate course charge: \$40.00**

### Weights and Fitness - Semester 1 or 2

**9W&F1 9W&F2**

Students serious about improving their personal fitness will have the opportunity to pursue various activities within this semester 2 course, utilising the schools new fitness room. They will learn correct resistance training techniques, which are vital to minimising injury. Other activities may include fitness appraisals, yoga, and boxing, using technology such as iPods, iPads and heart rate monitors to create individualised fitness and weights programs.

**Approximate course charge: \$35.00**

## Specialist Cricket Program - Year Long Course

9CKT1 9CKT2

Commencing in 2009, Dalyellup College offered a Specialised Cricket Program for students in Year 8. The program grew annually until 2013, when the program was available for students from Year 8 through to Year 12. The course is available for male and female students.

Lower School Program - Students will be involved in cricket studies for 4 periods per week. Areas of focus include the following:

- Batting, bowling and fielding skills development
- History and etiquette of cricket
- Fitness training
- Diet and lifestyle development
- Umpiring / Scoring
- Resiliency and mental skills
- Team building activities
- Training camps
- Captaincy
- Match strategies

**Approximate course charge: \$265.00**

Students new to the cricket program will need to purchase a cricket uniform available from the school. The following items are required:

- |  |         |
|--|---------|
| • White Shirt                            | \$25.00 |
| • Fitted Polo (Lower School) - Navy/Rust | \$33.00 |
| • Fitted Polo Lt Blue/Navy               | \$33.50 |
| • Baggy Teal Hat                         | \$35.00 |
| • Broad Brim Hat                         | \$15.00 |

