# 2018

WARRAGUL

St Paul's
ANGLICAN GRAMMAR SCHOOL

*Year 7*

# Course Guide

# Contents

# Welcome

## Transition

Starting secondary school is a big step for many students, but at St Paul's we work hard to make the change as smooth as possible and aim to ensure that our students feel safe, happy and respected. Year 7 students at St Paul's are part of the Middle School - Years 7 to 9. They are based in their own building and will have a large number of classes in a designated room. In term 3, students are invited to a Fellowship morning at the School, which helps them to get to know other Year 7 students at St Paul's and learn their way around. Later in the year, a three day Early Commencement Orientation Program will take place and students will learn more about their classes and meet many of their teachers, as well as a group of Peer Support Leaders. During this time, students will spend time with their Mentor, a staff member and subject teacher who will be responsible for the pastoral care of the students in their class. By the time they start Year 7, our aim is that students will feel comfortable with their new environment and excited about starting at St Paul's.

## Year 7 Curriculum

At St Paul's, each day is divided into six different periods, marked by bells, and in each period students learn a different subject.

At St Paul's, everyone in Year 7 studies:

- Christian Studies
- English
- Geography
- Health and Physical Education
- History
- Language - French or Japanese
- Mathematics
- Science
- Arts/Technology Program
- Sport

The two Languages offered to students entering Year 7 are French and Japanese. Once students have opted for French or for Japanese in Year 7, they will study this Language until the end of Year 9, but may choose to continue studying their chosen Language until VCE.

If students wish to study a language different from French or Japanese, they can do so at extra cost through the Victorian School of Languages. However, this is not to take the place of French or Japanese, but is studied as an additional subject. Please contact the Head of Languages if you require further information.

The Arts/Technology program at St Paul's is an exciting part of the new school year. Every student in Year 7 will have the opportunity to be involved in each of the strands of the Arts/Technology through a rotation of subjects. The subjects are delivered through the Faculties of Visual Arts, Performing Arts and Health.

In 2018 this program includes subjects such as: Art, Dance, Drama, Food, Music Performance, Product Design and Technology, IT, Robotics, Musical Theatre and Photomedia.

## Netbook Computer

Students will be using portable notebook computers and these computers will form part of the basic equipment they will bring to school every day. Students will be addressed regarding the safe use of the computer and shown how to access school resources on the wireless network. Instruction and guidance regarding the use of key programs will be implemented in the academic program.

Ms Laura Butterworth
**Head of Secondary School**

Ms Coralie Pyman
**Deputy Head of Secondary School**

Mr Bruno Testa
**Director of Studies**

Mrs Andrea Heard
**Head of Year 7**

## Co-curricular Life at St Paul's

St Paul's offers many other activities outside the classroom, and we strongly encourage students to involve themselves in some of these as soon as possible. It is a great way to meet new friends and to learn and practice a whole range of new skills. Students might like to try out for one of the SEISA (South Eastern Independent Schools Association) teams, represent their House in Swimming or Athletics, become a photographer or a representative on Student Representative Council. If music interests them, we offer a wide range of options such as: learning an instrument, joining a band or Choir, playing in a small group, a school production, or even the School Orchestra. Some more choices available include being involved in House Drama, House Oratory, and Inter-House sport, as well as the after school Artworks sessions or Debating. The main aim is for students to do all that they can to become involved.

## Orientation – Peer Support Camp

A great way to get to know other students and form friendships is through the Year 7 Camp at Coonawarra, near Bairnsdale, in February. It is a week full of fun and activities, designed to help the students to learn to work together as a group and create friendships. Year 11 Peer Support Leaders work closely with the students before, during and after the camp program. At the end of Year 7, students will also be introduced to Outdoor Education; Peer Support Leaders will also be involved in the preparation for this camp.

## Reporting and Communication

Formative written reports are distributed at the end of Terms 1 and 3. Statements of Results are issued at the end of Terms 2 and 4 while Parent Student Teacher Interviews occur early in Terms 2 and 4. Other contacts are made through the Subject Teacher, Mentor Group Teacher, Head of Faculty, Head of Year or Head of Secondary School when necessary. The use of the school diary is encouraged as an effective tool of communication between the School and home and it will be student's responsibility to have it signed by their parents each week. A fortnightly newsletter, the *Grammarian*, conveys important and interesting information about the life of the School.

All students also have access to the School's portal, "MyStPauls" where they will have access to a rich array of learning resources, submit work and receive grades. Co-curricular information, the daily Bulletin, House updates and messages from the Head of Year are also available on MyStPauls. Parents too have access to help them stay informed on a range of School matters (including assessment planners, which are updated annually). All members of the community are welcome to visit the St Paul's facebook page.

We look forward to welcoming all our Year 7 students in 2018 and sharing with them the life of St Paul's.

# 2018 Elective Selection Process

In 2018, Year 7 students will undertake two elective subjects in each semester, a total of four over the year. The electives listed below are available for selection and students will ultimately study four of these. It may not be possible to give students their four preferred subjects, but every effort will be made to do so.

Of their four choices for the year, students must choose two subjects from each of the following blocks over the course of two years:

- Performing Arts
- Visual Arts
- Technology
- Free Choice

Subject selections are made on-line. Individual instructions will be provided.

Any student who feels they have good reason to vary the elective arrangement below must apply in writing to the Director of Studies. This letter must be signed by a parent and attached to the on-line Preference Receipt page.

| Block A - Performing Arts | Block B - Visual Arts | Block C - Technology | Block D - Free Choice (This must not be a subject already chosen in Blocks A-C) |
|---|---|---|---|
| Dance | A Slice of Art | Foodies | Dance |
| Drama: Make a Scene! | Art in 3D | Gamers: IT and Games Programming | Drama: Make a Scene! |
| Music Performance (compulsory) | Architecture and Design | Making Stuff that Moves | Music Performance |
| Musical Theatre | Photos in Motion | Textiles: Designers in the Making | Musical Theatre |
| | | Robotics | A Slice of Art |
| | | | Art in 3D |
| | | | Architecture and Design |
| | | | Photos in Motion |
| | | | Foodies |
| | | | Gamers: IT and Games Programming |
| | | | Making Stuff that Moves |
| | | | Textiles: Designers in the Making |
| | | | Robotics |

# English

## Course Description

various types of media texts, novels, non-fiction, poetry and films. Through their exploration, they develop their understanding of how texts are influenced by context, purpose and audience.

Students create a variety of imaginative, analytical and persuasive texts in response to literature and rich concepts. They read for pleasure and learn to evaluate texts through the wider reading program. Students also develop their ICT skills by producing texts in a variety of forms, including multimodal texts.

## Areas of Study

- Responding to literature
- Imaginative writing
- Persuasive writing
- Speaking and listening

## In the course students will:

- Explore a range of novels, short stories and poems
- Develop their comprehension skills
- Write in a variety forms for different purposes
- Develop their understanding of grammatical structures
- Use notebook computers to draft and edit written work
- Contribute to a range of discussions
- Deliver prepared and impromptu speeches
- Learn about the language required in different situations
- Participate in the Wider Reading Program

## Assessment

- Analytical responses
- Creative responses
- Oral presentations
- Grammar and spelling activities
- Wider Reading Program
- Writing Journal

# Mathematics

## Course Description

Mathematics is the study of function and pattern in number, logic, space and structure. It provides both a framework for thinking and a means of symbolic communication that is powerful, logical, concise and unambiguous and a means by which people can understand and manage their environment.

As well as the four basic functions, Mathematics involves using graphs and other visual aids to represent data. Students will develop mathematical skills for everyday living, employment and further study. Students have the opportunity to enhance and monitor their overall mathematical skills by their participation in the Mathletics and problem solving activities.

The Mathematics program provides the opportunity for students to be challenged beyond the standard course through the Australian Mathematics Competition and other extension maths activities.

## Areas of Study

As outlined in the Australian Curriculum, mathematics consists of the following areas of study:

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

## In the course students will:

- Understand and apply key concepts
- Use a calculator to perform calculations involving fractions, decimals and percentages
- Use a graphical calculator to create spreadsheets and graphs
- Use problem solving techniques
- Use mathematical software such as 'Mathletics'

## Assessment

- Unit tests
- Problem solving
- Project work
- Weekly revision task

# Science

## Course Description

The Year 7 Science program is designed to build upon the excitement and enthusiasm that most Year 7 students naturally bring to Science. Students learn about the range of scientific disciplines that impact daily life through many practical experiments and activities. They are asked to develop thinking skills that demonstrate a clear understanding of the concepts under investigation.

Students explore the diversity of life on Earth and develop their understanding of the role of classification in ordering and organising information. They use and develop models such as food chains and food webs to represent and analyse the flow of energy and matter through ecosystems and explore the impact of changing components within these systems. They consider the interaction between multiple forces when explaining changes in an object's motion. They explore the notion of renewable and non-renewable resources and consider how this classification depends on the timescale considered. They investigate relationships in the Earth, Sun, Moon system and use models to predict and explain events. Students look at mixtures including solutions and how they can be separated using a range of techniques. Students make accurate measurements and control variables to analyse relationships between system components; exploring and explaining these relationships through increasingly complex representations.

## Areas of Study

### Working Scientifically

- Introduction to Science
- Laboratory Safety and procedures
- Measurement and use of equipment

### Biological Sciences

- There are differences within and between groups of organisms; classification helps organise this diversity
- Interactions between organisms can be described in terms of food chains and food webs; human activity can affect these interactions

### Chemical Sciences

- Mixtures, including solutions, contain a combination of pure substances that can be separated using a range of techniques

### Earth and Space Sciences

- Predictable phenomena on Earth, including seasons and eclipses, are caused by the relative positions of the Sun, Earth and the Moon
- Some of Earth's resources are renewable, but others are non-renewable
- Water is an important resource that cycles through the environment

### Physical Sciences

- Change to an object's motion is caused by unbalanced forces acting on the object
- Earth's gravity pulls objects towards the centre of the Earth

## Assessment

- Practical reports and other written responses
- Assignments
- Enriched Practical Investigation (written and practical components
- 'Science in Practice' tasks
- Written tests

# History

## Course Description

This course invites students to be detectives in investigating historical sources and mysteries. The skills acquired are then used to explore the development of ancient civilizations of Rome and China and their legacies in the world today.

## Areas of Study

- Archaeology and history mysteries
- The rise and fall of the Roman Empire
- Ancient Roman life and its legacy
- Ancient China

## In the course students will:

- Reconstruct historical events
- Communicate views and experiences
- Interpret and describe historical documents
- Research – collect and organise data
- Create a timeline of events
- Use ICT

## Assessment

- Document studies
- Practical exercises
- Annotated visual display
- Research assignment
- Tests

# Geography

## Course Description

Geography is the study of people at work and at leisure in the environment. Geographers study how humans use the landscape and the impact of nature on human activities. The theme of 'neighbourhood' is central to our study of the local neighbourhood, such as Brooker Park, and the impact of natural hazards on Asian-Pacific neighbours in the Southern Hemisphere and internationally.

## Areas of Study

- The importance of maps, photographs and satellite images in our society
- Natural and human characteristics in the local neighbourhood and how interaction produces change
- Designing a plan to improve future use of the environment

## In the course students will:

- Discuss contemporary issues
- Demonstrate use of geographic media presentations
- Research, collect and organise data
- Use computer-aided technology

## Assessment

- Mapping task
- Water and hazards test
- Investigation into a natural hazard
- Fieldwork report

# Christian Studies

## Course Description

"The focus of Christian Studies at Year 7 is to introduce students to the core tenets of Christianity. In the spirit of the Christian ethos of the school, the students are given the opportunity to explore the spiritual aspect of their lives. Specifically, the year-long course invites students to investigate the Bible's story of salvation by considering God's role as creator and the special place that each individual has within creation; the role of Jesus' death and resurrection in God's plan of salvation; and Jesus' teaching through an investigation of the Sermon on the Mount and Christian living. Throughout the course, there is a focus on the pastoral care of students and the development of values."

## Areas of Study

- Bible navigation skills
- The ways an individual may contribute to the broader community
- The radical life of Jesus

## In the course students will:

- Investigate a range of Biblical texts
- Develop skills in the use of conventions of Bible referencing
- Engage in personal reflection on their spiritual life

## Assessment

- Bible navigation test
- Biblical narrative poster presentation
- Social justice research task
- Radical life of Jesus

# Languages: French

## Course Description

In Year 7 French students will explore regions of France, French festivals and cuisine through aural, oral, reading and written skills acquired during the course. Students will use a variety of materials and resources including their text book and workbook, technology, French items and games and, most importantly, each other to generate and build upon their French language skills. The course is based on the text: Tricolore Total 1.

## Areas of Study

**Listening and Speaking:**

- Identify key information from audio texts
- Distinguish and repeat sounds accurately
- Ask and respond to questions by using simple statements
- Make interesting sentences by swapping vocabulary
- Perform role-plays
- Use the computer to practise pronunciation and record conversations

**Reading:**

- Read in silence for the purpose of selecting specific information or main ideas
- Read aloud with attention to pronunciation and intonation

**Writing:**

- Use a dictionary to look up words and transcribe them appropriately
- Demonstrate the ability to use grammatical forms studied in class
- Use common statement patterns to create your own personal text
- Use the computer to write in French with accents
- Use the computer to produce culture-based projects

## In the course students will:

- Acquire vocabulary relevant to personal life.
- Learn greetings, commands, the alphabet, numbers, nationalities, colours, family and pets, sports, weather and school-based vocabulary.
- Be exposed to the culture and history of France and other French speaking countries.
- Use the Internet, films and short clips for research of French cultural practices.
- Study grammar, including common regular verbs and some irregular verbs, nouns, pronouns, genders (le/la), possessives, adjectives, accents, negatives and question form.

## Assessment

Students will be assessed throughout the year. This is a list of assessments they may have to complete:

- Listening and responding, both orally and in written forms
- Oral assessment in the form of role-play
- Written expression
- Vocabulary and grammar tests
- Projects on cultural topics
- Dictation tests
- Class participation and contribution

# Languages: Japanese

## Course Description

Through aural, oral, reading and writing skills acquired during the course, Year 7 Japanese students will explore places in Japan, seasonal festivals, Japanese traditional sports and food. Students use the text book called Obentoo Deluxe which follows the adventures of ten young people in an International school in Japan. Students will develop a strong grounding in each of the four areas of language acquisition and have the skills to introduce themselves and hold basic conversations in Japanese. The Obentoo Deluxe books are used through to the end of Semester One in Year 8. Therefore students must retain all books used in Year 7 Japanese.

## Learning Outcomes

**Listening and Speaking**:

- Identifying key information from audio texts
- Distinguishing and repeating sounds accurately
- Questioning and responding, using simple statements
- Performing role-plays

**Reading:**

- Read in silence for the purpose of selecting specific information or main ideas
- Read aloud with attention to pronunciation and intonation
- Recognise hiragana, the most common Japanese script, and develop understanding of the katakana (the script for foreign words) and kanji pictographs
- Identify short words and particles in sentences and demonstrate an understanding of Japanese text

**Writing:**

- Demonstrate the ability to use grammatical forms studied in class
- Use common statement patterns to create your own personal text
- Write the most fundamental Kanji characters
- Use the computer to write in Japanese
- Use the computer to produce culture-based projects

## Assessment

Students will be assessed throughout the year. Some assessments include:

- Listening and responding, both orally and in written forms
- Oral presentations
- Written expression
- Vocabulary and grammar tests
- Projects on cultural topics
- Class participation and contribution

# Health

## Course Description

This course at Year 7 is designed to assist adolescents make appropriate choices in relation to leading a healthy and balanced life. Students will investigate VicHealth strategies to promote SunSmart awareness and to resist smoking tobacco. Let's Take a Stand Together helps enhance positive self-esteem, develop cohesive friendships and identify bullying behaviours. Students will also design and participate in a fitness program, gain skills in basic first aid and develop an understanding of the physical, social and emotional changes which occur during puberty.

## Areas of Study

**NewStart**

Investigate changes that have occurred during the transition from Primary School to Secondary School and strategies to adapt to changes.

**Bullying, harassment and resilience**

Identifying bullying behaviours and development of strategies to build resilience.

**Tobacco**

Investigate strategies employed by the Quit campaign and understand why it is important to resist smoking.

**Puberty**

Investigate physical, social and emotional changes that occur during puberty.

**First Aid**

Development of first Aid skills in regard to choking, burns and scalds, soft tissue injuries, heavy bleeds and attending an unconscious person.

**Fitness**

Design and participate in a personal fitness program.

**SunSmart and protective strategies**

Gain an understanding of the importance of adopting SunSmart practices.

## Assessment

- SunSmart Investigation
- ICT Presentation – Let's Take a Stand Together
- Fitness Assignment
- First Aid Assignment

# Information Technology

## Course Description

Students develop their capabilities as they learn to use ICT effectively and appropriately to manage, research, create and communicate information and ideas. They will apply the skills learnt in projects and work that focuses on the use of key software packages. They will also learn touch-typing and key-board shortcuts to help increase their efficient when using their computer to create documents. Students develop as a responsible citizens by learning, reviewing and applying ICT In a smart and safe manner.

## Areas of Study

### Managing and Operating ICT

- Windows interface and control panel
- Saving work and understanding different storage locations
- Selecting appropriate formats for creating and editing data

### Communicating with ICT

- Email through Microsoft Outlook
- Using MyStPauls to collaborate and exchange ideas

### Creating with ICT

- Using appropriate ICT tools to generate ideas, develop plans, and formulate processes.
- Using the Microsoft suite of programs
- Designing and modifying digital documents and outputs for specific audiences

### Investigating with ICT

- Using graphic organisers to plan a search, and organise the information in meaningful ways
- Using search facilities to locate resources
- Evaluating websites and resources to determine their suitability

### Applying social and ethical protocols and practices when using ICT

- Learning the rights to identity, privacy and emotional safety for themselves and others
- Applying adequate security
- Referencing sources appropriately

## Assessment

Specifically, students may be assessed according to the standard of their completion of the following activities:

- Projects
- Quizzes
- Classroom observations

# Physical Education

## Course Description

This course at Year 7 aims to develop basic motor skills and promote participation in a range of physical activities, encouraging physical, social and emotional development. The focus in Middle School Physical Education is on participation and co-operation; working with other people to encourage confidence, tolerance and acceptance of others.

## Areas of Study

**Athletics**

Develop a range of skills for track and field events

**Ball skills**

Development of hand and foot skills through participation in a variety of technical games and drills

**Striking skills**

Development of hand-eye co-ordination through participation in a variety of racquet/striking sports

**Fitness**

Understanding the importance of fitness through participation in fitness testing and a range of activities to improve different fitness components.

**Minor Games**

Participation in tactical and strategy based games to build game sense

## Assessment

Each area of study is designed to be assessed using the following key criteria:

- Individual participation and effort
- Skill and ability

# Sport

## Course Description

The key objectives are for Sport to have a positive effect on a participant's confidence, self-esteem and social interaction, through a program where the main emphasis is on 'sports for life'. The course also focuses on sports rules, co-operative play, and enjoyment through activity.

Each Year 7 House group will work in a team environment participating in a variety of sports. Several sessions will be spent on each sport, commencing with rules of the sport and an understanding of how to play the sport while maximizing participation in competitive game situations.

## Areas of Study

Throughout the year, students will learn the rules and game play for several different sports and activities. They will also develop their sportsmanship skills, and their ability to operate in a team environment.

In the course students will participate in the following:

- Basketball
- Softball
- Tennis
- Fitness(circuit, walking, stretching)
- Netball
- Volleyball
- Soccer
- Table Tennis
- Badminton
- Touch Football
- Boxercise

## Assessment

There is no formal assessment for Sport. The emphasis is on participation and increased physical activity.

# Dance

## Course Description

In Dance, you will learn how to move! Join this class to experience many different genres of dance and learn choreography in popular styles such as hip hop, jazz, contemporary and tap. You will improve your strength, flexibility, coordination and musicality. As you develop your skills, you will work towards building performance pieces, through which you will learn more about great choreography, the value of the rehearsal process, and performing to an audience.

## Areas of Study

- The understanding and execution of safe dance practice
- The development and application of physical skills to form a personal movement vocabulary
- The understanding, exploration and application of choreographic principles
- The ability to reflect upon, evaluate and analyse dance pieces based on an understanding of the above

In this course students will:

- Understand the importance of safe dance practice
- Practise and refine physical skills
- Work creatively and cooperatively with others
- Create and rehearse group dance pieces
- Maintain a dance journal and glossary of dance terminology

# Drama: Make a Scene!

## Course Description

Enter, stage left! This subject fosters the development of confident and creative performers. You will participate in a range of activities including mime, melodrama, improvisation, monologue and duologue work, and group devised performance pieces. While this subject has a strong focus on developing your skills and love of performance and stagecraft, it also fosters personal growth and confidence through challenges and problem-solving. Take on the challenge of planning, devising, rehearsing and performing a range of pieces in our ready-made performance space, complete with stage lighting.

## Areas of Study

Analysing Dramatic Performance

- Evaluating and analysing dramatic performances as a participant and audience member both in written and spoken forms

Practical Activities

- Script work (devised and given)
- Story telling
- Understanding of stagecraft and dramatic elements
- Development of expressive skills through commitment to role
- Performance styles and focus on incorporating dramatic and stagecraft elements
- Dramatic tension
- Time and place
- Humour and satire
- Images and pictures

# Foodies

## Course Description

This subject is all about experimentation and creativity in the kitchen; there is so much you can do with food! Foodies will empower you to prepare food safely, confidently and creatively. You will also debunk the myths and learn fascinating facts about the science behind food and nutrition to support a healthy, active lifestyle.

## Areas of Study

### Safety and hygiene

- Safe and hygienic use of food, tools and equipment during food preparation
- Effective and efficient work habits and use of resources
- Effective communication and interpersonal skills

### Preparation, production and presentation techniques

- Extension of technical skills
- Development and demonstration of organisational skills, technical competencies and presentation techniques during food preparation
- Functional food properties and complex processes

### Food and nutrition

- Origins and nutritional properties of key foods
- Food selection model – The Healthy Eating Pyramid
- Influences on food choices
- Sustainable food production processes at a primary level

# Gamers: IT and Games Programming

## Course Description

Enter the exciting world of computer programming as you conceive, design and test your own computer games. You will learn about the processes that are hidden behind the screen of popular genres such as 2D and multiplayer games, develop problem-solving skills and your ability to think strategically while developing programs within the Game Maker environment. If you have ever wanted to know how games are made and are keen to tackle the challenges of designing and creating your own games, this is the subject for you.

## Areas of Study

- Game Maker environment
- Testing and implementation
- Design and develop computer games
- Documentation
- Introduction to programming

## Software Skill Development

- Visual programming
- Generate ideas, plans, processes and products
- Programming logic, processes and products
- Visual presentation

# Making Stuff that Moves

## Course Description

This subject is about creatively imagining, designing and building products with moving parts. Learn to think like an engineer as you work through the design and production process. You will experiment with materials such as wood, plastics and even electronics as you design and build objects such as puzzles, games and moving toys. Engage in the processes involved in construction and engineering by designing and building scaled models such as bridges. Learn more about the future of construction by exploring the possibilities afforded by sustainable materials and use cutting-edge technologies like 3D printing to make an object you design. It's noisy and sometimes dusty but always fun.

## Areas of Study

Designing Projects

- Drawing skills – sketching and CAD drawing
- Creative ideas
- Making objects functional
- Measurement and scale
- Shapes with strength

Working Materials: Balsa wood

- Finding strength with minimal weight
- Destruction testing and evaluation of a design

Combining Materials: Wood and Plastics

- Techniques and fasteners for joining dissimilar materials
- Safe machine operation
- Mechanical devices – levers and pulleys
- Sustainable materials

# Music Performance

## Course Description

This course is about learning music through performance. Class time will be devoted to playing, listening to and composing music as a group. You will develop your skills as a musician and your confidence as a performer by playing music together using a combination of drums, keyboards and other classroom instruments. You will also get to compose your own pieces of music using sequencing software and iPads. Students who play musical instruments or sing will have the chance to bring and use their instruments on a regular basis. Enjoy making music together while developing your creativity, confidence, persistence and discipline.

## Areas of Study

- The major focus of the whole course is on playing music together using a combination of drums, keyboards and other classroom instruments as well as instruments some members of the class might be studying.
- The class will work on a number of works in many styles – with all the musical decisions being made by the group. Making these decisions help students to learn about musical styles and instruments.
- Classes often start with some listening and discussion of a piece of music – some chosen by the teacher and some chosen by the members of the class. Students compose pieces of music, using sequencing software and iPads.

# Musical Theatre

## Course Description

Become a triple threat! This subject combines song, dance and creative drama to help you develop your performance skills and hone your ability to be a versatile and confident performer. Classes will include skill work (including dictation and a range of exercises in voice and acting and coordination and specific steps in dance) as well as a focus on repertoire rehearsal for various performance opportunities within the school. Song and dance performance repertoire is selected from the musical theatre and popular music canons. This subject is a great pathway into future studies of Dance, Drama and Music.

## Areas of Study

- The understanding and execution of safe dance practice
- The development and application of voice technique
- Acting and storytelling
- History of Musical Theatre
- Ensemble performance principles

In this course students will:

- Practise and refine physical performance and movement skills
- Practice and develop vocal and performance skills
- Work creatively and cooperatively with others
- Create and rehearse group performance pieces
- Maintain a performance journal and glossary of terminology

# Robotics

## Course Description

What is the future of Artificial Intelligence? Ponder this question as you learn to program our EV3 Lego Mindstorm Robots to successfully follow your commands. Robotics is a fascinating and exciting world of complex and sophisticated machines; this practical subject will engage you in the process of programming and controlling robots to solve specific challenges. Develop your creative problem-solving skills as you attempt to overcome barriers, avoid obstacles, employ sensors such as touch, infrared and distance locators which robots use to find out about the world around them. Robot races and competitions provide an exciting backdrop in which to test robots against those made by others. There is also the potential to get involved in the state Robocup competitions.

## Areas of Study

History and Background

- What is a robot?
- Why do we need them? How do they benefit us? How have they changed over time?
- Examples of robots used for competition, medical, companionship, search and rescue, industrial and entertainment uses.

Basic Mechanisms

- How to build robots so they don't fall apart.
- How to drive weird and wonderful machines
- How to get more from what you have!

Communication

- Programming: How to get your robot to do what you want.
- Use sensors to change what your robot will do, by responding to light, sound, time, distance, images, etc.
- Get your robots to 'speak' to each other and respond
- Get your robot to measure something and record it for later use.

# Textiles: Designers in the Making

## Course Description

Welcome to the world of fashion and design. This subject enables you to imagine and then create products using textiles, or soft materials. Master the sewing machine as you develop skills in machining and garment construction. Design your own fabrics while learning the processes of tie-dyeing and screen-printing. Are you the next Peter Alexander? Find out as you design and create your own set of PJs, as well as other fabric creations such as a custom-designed bag and a swing tag marketing label. Learn more about the sustainable future of fabric design by experimenting with 'upcycling', the creative reuse of products to make something new.

## Areas of Study

Embellishing Fabric

- Tie dyeing
- Screen Printing
- Applique

Bags

- The designing process
- Pattern making
- Construction
- Swing tags - marketing

Construction Task

- Commercial patterns
- Garment construction
- Marketing of fashion garments

# Visual Arts – A Slice of Art

## Course Description

Get creative with drawing, painting and print-making. Be inspired, just like artists before you, by landscapes and discover a wide variety of ways to draw and paint the environment you know. Through a range of projects from Cubist pastoral drawings, to landscape painting, and even screen printing inspired by modern popular culture, you will develop skills in composition, colour mixing, texture and brush techniques and begin to 'see' the world around you in an entirely new way.

## Areas of Study

Painting

- Students will develop skills in refined, subtle colour mixing and brush layering and textured techniques.
- Students will develop skills and experience in using atmospheric perspective to create depth.

Drawing

- Students learn to 'see' geometric forms in objects,buildings and things to use as cues to help perception.
- Students will apply a historical art style to an image as inspiration

Printmaking

- Students will investigate a variety of different forms of print-making including lino, etching and stenciling
- Students will design works using the art elements and principles of shape and pattern

# Visual Arts – Architecture and Design

## Course Description

Ever wondered how architects and designers bring their visions to fruition? In this subject, you will learn to think like a designer as you find creative solutions to design challenges. You will develop skills in a variety of drawing systems and technology applications as you learn more about the role of scale and perspective in the process of architectural design. Follow the design process through from concept, to drawing and sketching, to 3D modelling and production while tackling challenges such as the opportunity to design the tree house of your dreams using sustainable materials or a 3D pot planter inspired by architectural design principles.

## Areas of Study

Interior Views

- Students learn to draw a room interior in one-point perspective and understand the use of scale and the application of the design elements and principles in their drawings

Drawing Systems

- Students will learn to draw objects in a variety of drawing systems such as oblique and isometric and learn to apply these in various drawing exercises
- Free hand sketching of ideas will be developed

Illustration and Rendering Styles

- Students learn to use rendering styles, understanding light and textural surfaces on objects through a variety of set creative illustration tasks.

Typography

- Students explore typographic styles and create their name in a variety of designed typographic styles
- Layout and presentations skills will be developed through the use of a visual diary to record work
- A variety of typography will be created through the exploration of the design elements and principles
- Students are introduced to the graphic design program Adobe Creative Suite - Illustrator

# Visual Arts – Art in 3D

## Course Description

Unleash the artist in you by designing and producing artistic creations in 3D. Seek inspiration from the world around you as you develop your skills in a variety of mediums such as ceramics, sculpture, carving, assemblage, modroc and even 3D printing. While developing your skills in design and production, learn more about how cutting-edge forms of technology are transforming art as we know it. Add another dimension to your creativity!

## Areas of Study

Ceramics:

- Students will learn several ceramic techniques including hand-building skills, including coil, pinch and slab techniques
- Students will create a work out of ceramics looking at form, shape and texture

Assemblage:

- Students will draw inspiration from popular culture to design a modroc sculture
- They will research pop artists such as Andy Warhol and Claes Oldenburg and apply their pop art techniques in their sculptures

# Visual Arts – Photos in Motion

## Course Description

This subject combines the mediums of photography, studio art, media and animation. You will be introduced to the fundamentals of digital photography, animation and film making. Create still and moving pieces of digital art as you develop your skills in the use of IT programs that are favoured by professional artists working in the field of digital media such as Adobe Photoshop, Final Cut Pro X and Adobe Flash. Experiment with the secrets behind special effects such as green screening, and create your own short films while learning about the principles and processes involved in stop-motion animation and Claymation.

## Areas of Study

Photography

- Introduction to the technical and compositional skills used in image making
- Exploration in the technical components of a digital SLR
- Refinement of skills in photo manipulation using Photoshop

Film/video

- Introduction to the technical and compositional skills used in video recording
- Exploration in the process of film making
- Understanding of continuity and editing in creating short films
- Exploration in special effects and post production editing using Final Cut Pro

Animation

- Introduction to the tools and techniques of stop motion animation
- Exploration in the process of animation and narrative design
- Understanding of frame by frame animation and character construction
- Exploration in methods of producing animations in different programs