



## Maths

### YEAR 7

During this term students will:

- calculate the volume of rectangular prisms
- classify triangles and describe quadrilaterals
- explore corresponding, alternate and co-interior angles
- compare equivalent fractions
- multiply and divide fractions and decimals
- connect fractions, decimals and percentages
- understand the concept of variables and use them to create algebraic expressions
- solve problems using simple ratios
- investigate angles, parallel lines, translation, symmetry, reflection, rotation and coordinates on the Cartesian plane
- plot points on the Cartesian plane and find coordinates for given points
- explore variables and create algebraic expressions.

### YEAR 8

During this term students will:

- calculate the volume of rectangular prisms
- classify triangles and describe quadrilaterals
- explore corresponding, alternate and co-interior angles
- **build on understanding of straight-line geometry and congruence**
- compare equivalent fractions
- multiply and divide fractions and decimals
- connect fractions, decimals and percentages
- apply rates, ratios and percentages
- understand the concept of variables and use them to create algebraic expressions
- solve problems using simple ratios
- investigate angles, parallel lines, translation, symmetry, reflection, rotation and coordinates on the Cartesian plane
- explore variables and create algebraic expressions.

### **English - Unit focus**

#### **Novel study: Tomorrow, When the War Began by John Marsden**

In this **novel study**, students will explore and discuss the themes explored within the story, including war, loyalty, resilience, persistence and friendship. They will analyse how John Marsden's style is different to that of other well-known narrative authors.

Students will view the movie and make comparisons between the book and film.

#### **Informative Texts:**

Students will develop their understanding of informative texts with a focus on recount. They will discuss the elements of the texts so that they inform audiences through choice of language, structure and images.

Students will analyse and discuss a range of informative media texts, including advertisements, and identify the use and effect of language and textual features. They will create a range of texts suitable for a newspaper for their peer group. They will work in a group to create a multimodal news story.

### **PNG Studies – Mrs Pesas**

During this term, students will build and develop an understanding of the culture of PNG. They will also look at the different houses, food, economic, physical features and clothing of a province in PNG.

### **Science**

During this term students investigate how energy is generated and transformed in order to meet society's energy requirements while taking into account sustainability and ethical considerations. They will research sustainable and renewable energy technologies.

### **Music – Mr Neale**

This term, students will continue the 'Jammin with Junk' unit using recycled items to create their own instruments. There will also be a focus on guitar. Students will learn to play and sing a Paul Kelly song, which will be performed on assembly at the end of term. We will continue to focus on rhythm and begin learning notes on the music staff.

### ***Physical Education***

Students will:

- become water aware and water safe in various aquatic environments
- learn swimming strokes and develop stroke technique
- learn age appropriate water survival sequences

**Students must bring swimwear, towels and thongs on PE days in Term 3.**

### ***Health***

In this unit, students engage in a variety of learning experiences about health information and its interpretation. Students investigate the Australian Guide to Healthy Eating and analyse food products and promote the health and wellbeing of individuals and others.

### ***Design Technology***

Students apply design thinking to design a box to hold and beam LED lights. These lights will be programmed individually for the tone, process and speed of the lights. The box will be printed using the 3D printer. This will link in with our study of energy in Science.

### ***The Arts - Mrs Daimol***

In Visual Arts this term, the year 7&8 students will:

- Experiment with Visual arts techniques that they already know to create/paint a PNG thematic concept
  - Manipulate materials, processes and techniques to enhance meaning and intention
  - Develop a plan to complete their thematic concept – a painting or craft work
  - Complete and present their work with consideration of how to display it for an audience
- Students will be assessed on
- Their technique application
  - The use of their materials
  - Their plan, completed task and their presentation of their two pieces of work.

### ***HASS – Mrs Daimol***

In the Unit CIVICS and CITIZENSHIP, Year 7&8 will study and research the Responsibilities and Freedoms of Citizens and how Australians can actively participate in their democracy. Students will consider how laws are made and the types of laws used in Australia. Students will also examine what it means to be Australian by identifying the reasons for and influences that shape national identity.

Students will:

- analyse features of Australian democracy, and explain features of Australia's democracy that enable active participation.
- Identify different types of law in Australia and explain how laws are made.
- Analyse issues about national identity in Australia and the factors that contribute to people's sense of belonging.
- When researching, students will develop a range of questions to investigate Australia's political and legal systems and critically analyze information gathered from different sources for relevance.
- They will explain different points of view on civics and citizenship issues.
- When planning for action, students will take into account multiple perspectives, use democratic processes, and develop solutions to an issue. Students will develop and present reasoned arguments on civics and citizenship issues using appropriate texts, subject-specific language and concepts.
- They will identify ways they can be active and informed citizens in different contexts.

#### **Assessment:**

The students will be assessed on three individual research tasks and a comprehension test all relating to the topic at different stages of their learning.