



**Maths**

**YEAR 7**

During this term students will:

- review index notation and square roots
- review fractions, decimals and percentages
- round decimals to a specific number of decimal places
- find percentages of quantities
- investigate and calculate best buys
- create algebraic expressions
- investigate, interpret and analyse graphs
- establish formulas for area
- calculate the volume of rectangular prisms
- classify triangles and describe quadrilaterals
- explore corresponding, alternate and co-interior angles

**YEAR 8**

During this term students will:

- review index notation, square numbers and square roots
- review fractions, decimals and percentages
- round decimals to a specific number of decimal places
- find percentages of quantities
- investigate and calculate best buys
- create algebraic expressions
- investigate linear and non-linear relationships
- plot points on the Cartesian plane and find coordinates for given points
- investigate, interpret and analyse graphs
- establish formulas for area
- area and circumference of a circle
- 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

**English - Unit focus**

**Persuasive texts (5 weeks)**

Students will investigate how persuasive text structures, language features and appropriate vocabulary shape meaning and influence others to understand a particular point of view.

They will construct a written argument that persuades an audience to agree with a point of view. They will create an oral persuasive text for their peers on a topic of interest.

**Novel Study (5 weeks)**

**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.

**Assessment:**

Students will **compile a folio of short assessment activities** based on *Tomorrow, When the War Began* including **chapter summaries, a prediction exercise, and character profile and diary entries** to the novel.

**Tok Pisin – Mrs Pesas**

In this unit, students will study the system of the PNG Government and explore how the system works. They will also discuss the PNG constitution and how it protects the rights of individuals through the justice system.

**Science**

During this term students will investigate the dynamic nature of the rock cycle. They will appreciate where and why rocks have been used in in the local area, including the mine. They will learn how to classify igneous, metamorphic and sedimentary rocks. The students will create representations of the stages of rock formations.

**Music – Mr Neale**

In Term 2, students will expand on the body percussion they experienced in Term1. This will involve students utilising everyday items to create their own rhythmic compositions. This will require students to write these rhythms in music notation, perform their piece in small groups and to reflect on their performance. We will continue music theory this term with a focus on pitch.

**Physical Education**

In this unit, students participate in a variety of activities to demonstrate control and accuracy when performing specialised Athletic jumping and throwing movement skills. Students will explore the jump and throw movement skills and develop skills to perform the jumps and throws. They will use feedback to improve accuracy and technique.

**Health**

In this unit, students will investigate alcohol and drugs, the laws associated with their use, and the long and short-term effects these have on the body. Students will examine health information with respect to alcohol and drugs to evaluate possible health concerns and develop assertive skills to use in peer situations.

**Design Technology**

Students will apply computational and systems thinking to evaluate educational information systems and create digital solutions (a model of real-world system and a game that will educate their peers) using a general-purpose programming language. They will apply a range of skills and processes in the planning of a serious game.

**HASS – Mrs Daimol****Water in the World –Geography**

In this unit, students will investigate the inquiry questions ;

How do people's reliance on places and environments influence their perception of them?

- What effect does the uneven distribution of resources and services have on the lives of people?
- What approaches can be used to improve the availability of resources and access to services?

**Students will**

Examine the many uses of water, the ways it is perceived and valued, its different forms as a resource, the ways it connects places as it moves through the environment, its varying availability in time and across space, and its scarcity.

**The Arts - Mrs Daimol****Sweet dreams – Drama Years 7-8 Unit 1**

In this unit, students will make and respond to drama by exploring the theme of love through a range of different performance styles/forms including comedy, Shakespearean and physical theatre.