



### Maths

#### YEAR 7 – Mrs Baiwan

##### Number and Algebra & Measurement and Geometry

During this term students will:

- revise and consolidate Terms 1 and 2 concepts as required.
- investigate and calculate best buys.
- create algebraic expressions.
- investigate, interpret and analyse graphs.
- establish formulas for area and perimeter of rectangles.
- 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.
- express one quantity as a fraction or percentage of another.
- 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 7 English – Ms Yip

This term students will do a Novel Study (fiction) – The Black Snake. In this novel study students will, prior to reading the novel, discover and learn about convicts in Australia and the shaping of the colony by explorers, pastoralists, and individuals. When reading the novel, they will study the life of Ned Kelly by reading his biography (Black Snake by Carole Wilkinson), learn new words and build on their vocabulary. In literature circles, they will discuss the purpose of the story and look at social issues. After reading the novel, they will use appropriate metalanguage and reflecting on the viewpoint of others, form their own opinion of the main character and other key players/groups in the story. Their assessment will be as follows:

1. Novel Folio – a compilation of short activities
2. Writing – Opinion Essay  
'Was Ned Kelly a hero or villain?'

#### YEAR 8 – Mr Collins

During this term students will build upon understanding of:

- Use variables to represent unknown amounts.
- Simplifying algebraic expressions
- Time & Duration calculations
- Congruence of triangles and quadrilaterals
- Theoretical probability

Students will also be using class time to be focus on preparing for the Year 8 National Exam.

#### Year 8 English – Ms Yip

##### Unit: Expository Writing- Informative texts.

This term the students will develop their understanding of informative texts with a focus on report writing and procedural writing. They will discuss the elements of the texts so that they inform audiences through choice of language, structure, and images. Their

Assessment will be on the following:

- Starting a Bee Project – translate information on leaflet to a set of instructions.
- Write a Report – A witness's statement.
- General English Test – Reading Comprehension, Vocabulary and Grammar

#### PNG COBE Exam preparation

Students will focus on Exam preparation. They will focus on Language usage (Grammar), the study of literature through a variety of reading extracts to comprehend and build vocabulary skills. They will also focus on improving their spelling skills through weekly dictation and spelling tests. In week 8 they will do the **2021 Mock Exam**.

#### HASS – Mrs Laien

##### Environment and Resources & Geography Skills

This term, students will learn about the natural environment, their elements, their processes, and geography skills involved. Students will explore human environments and how man influence and change the natural environment. They will also look at the impacts of resource use, sustainable practises, and hazardous natural events in PNG.

### Health – Mr Neville

In this unit, students will focus on the individual as they grow from childhood to adolescence. They will investigate a range of physical, emotional, social and intellectual changes occurring during adolescence and consider how they impact on identity. Students will explore the development of self-values and beliefs and address increases in adult expectations as they transition towards independence. Students will examine the benefits of diversity and the impact of social inclusion on wellbeing during the adolescence transition. They will investigate, evaluate and recommend strategies and resources to help manage a variety of changes occurring during adolescence.

Note: this unit contains some sensitive concepts, images and terminology related to puberty.

### Technology

#### Year 7 – Textiles – Ms Jason

In this unit of Textiles students will sew a tote bag. In sewing the tote bag, students will apply their knowledge of how the backstitch, zigzag stitch and French seam are done. They will gain knowledge of the different sewing tools and their function in sewing the tote bag.

#### Year 8 – STEM – Mr Collins

Students will learn how to use a 3D CAD Drawing Program called Autodesk Inventor. In doing this, students will compile a full set of working drawings and a final presentation drawing for a wooden project they will then make in the workshop.

### Music – Mr Sarufa

This term, students will continue to participate in a range of singing and instrumental activities. They will consolidate their understanding of a range of theory concepts, including notation, beat and dynamics and continue to develop their guitar playing skills as well as the other musical instruments.

### Science – Mrs Baiwan

#### Forces and Using Classification

During this term students will learn about:

- Change to an object's motion that is caused by unbalanced forces, including Earth's gravitational attraction, acting on the object.
- Classification which will help them to understand the diverse group of organisms so that they can be able to organise them as per the organisms characteristics. They will also look at interactions between organisms, including the effects of human activities which can be represented by food chains and food webs.

### Making A Living – Mrs Laien

#### Better Living

This term, students will understand that there a different method of preparing food. They will also discover that they can generate income from selling food to satisfy the customers' needs and making a profit. Students will identify integrating projects which improve societies and communities.

Students will:

- Examine the ways to produce and prepare food for personal consumption or to generate income
- Compare goods and services provided by a range of organisations and make informed decisions about those that best meets their needs
- Students will design and make a home décor.

### Guidance & Skills – Mrs Laien

During Semester 2, students will review their previous goals as well as Semester 1 self-reflections and create achievable goals for this semester. They will discuss and construct ways of achieving their goals, including a realistic and workable study timetable. Working towards achieving their goals will be a regular process as they work on a weekly self-reflection and evaluation.

### Physical Education – Ms Savitas

This term in PE students will engage in a range of swimming and water safety activities, through these students develop their skills in swimming strokes, survival skills and strategies in order to apply these in a variety of situations.

Students will:

- examine appropriate safety skills and techniques in the aquatic environment
- become water aware and water safe in various aquatic environments
- learn swimming strokes and develop stroke technique
- learn age-appropriate water survival sequences
- practice and refine swimming components and stroke sequences