



Maths

YEAR 7 – Mr McKeiver

During this term students will:

- Build upon understanding of operations with:
 - comparing, ordering, adding and subtracting integers
 - comparing fractions and mixed numbers and representing these on a number line
 - solve addition and subtraction problems involving fractions
 - express a quantity as a fraction of another

- Develop students' understanding of:
 - plotting points on the Cartesian plane and finding coordinates for given points
 - solve simple linear equations

YEAR 8 – Mr McKeiver

During this term students will:

- Build upon understanding of operations with:
 - Positive and negative integers and fractions,
 - the connections between fractions, decimals and percentages index notation

- Develop students' understanding of:
 - Whole numbers
 - Decimals and percentages and converting between
 - Four quadrants on Cartesian plane and linear graphs

Year 7 English – Ms Yip

In Term 1, the students will have 2 main teaching and learning themes – Novel Study and Narratives. They will:

- do a study of the novel, Blueback' The study of the novel will have students read, discuss, interpret and comprehend the text,
- Construct a narrative text suitable for inclusion in our class book of stories
- Read, discuss and deconstruct short narratives, understanding better the structure of a short story -setting (place/time -sequence of events – result), plot (conflict/problem -solution), character (protagonist/antagonist)

Year 8 English – Ms Yip

This term, students will be learning all about Narratives and the Novel to study is 'The Hatchet'. In this Unit students will develop their understanding of language features (descriptive language – noun groups and verb groups, complex sentences and direct speech). They will read, discuss and create texts in response to a given stimulus. They will construct a narrative text suitable for inclusion in our class book of stories. Apart from their Novel Study, students will revise and learn more about Poetry, by reading, discussing and analysing different poems, they will learn different styles and structure of poetry and develop their understanding of language features used to convey meaning. Towards the end of the term, year 8 students will commence preparation for the COBE PNG Exams.

Making A Living – Mrs Laien

Managing Resources

In this unit, students discover the different ways/methods used in PNG to manage resources. These resources in PNG also played a part in trading since the past till present. These resources benefit the country as a whole and is found in different parts of the nation.

HASS – Mrs Laien

Geography

In this unit, students will explore the elements that make up Papua New Guinea's National Culture and how important they are as part of the national culture. They will discover the different factors that changed culture before and after the arrival of Europeans and explore some of the different elements of PNG culture like cultural tools and weapons, crafts, and art.

Physical Education – Mr Collins

In this unit, students apply personal and social skills to establish and maintain respectful relationships that promote fair play and inclusivity. They participate in a variety of modified Olympic sports, including European handball. They apply and refine movement concepts and strategies to suit different movement situations in the games.

Health – Ms Yip**Health**

In this unit, students explore dietary options for adolescents and the social and cultural influences on this. They will identify health concerns and explore the information used by them to facilitate choice. An evaluation of these materials will be completed by students and they will select strategies for planning and maintaining a healthy diet.

Design Technology – Mr Collins

During this term, students will analyse how motion, force and energy act upon members in a built environment. They will apply design thinking as they design and construct a bridge prototype to withstand a given weight with the highest structural efficiency. Students will explore a range of engineering concepts and forces including compression, tension, and shear forces.

The Arts - Mrs Laien**Visual Arts**

In this unit, students explore different styles of Art. Styles include giving the viewer the impression of movement, swelling of images and see patterns. Students will have the opportunity to create something creative.

Science – Mrs Laien**Water – Waste not, want not**

During this term, students use a local water source to investigate the importance of water, for example the water cycle, properties of water and separation techniques used to provide clean drinking water.

Students will:

- classify resources as renewable or non-renewable
- compare renewable and non-renewable resources
- explore the water cycle in terms of changes of state of water and investigate factors that influence the water cycle, emphasising that water is a renewable resource
- participate in field work to investigate local water use and management
- investigate the differences between pure substances and mixtures and create representations of each
- identify the solvent and solute in solutions
- use a range of physical separation techniques such as filtration, decantation, evaporation and chromatography
- construct and use a range of representations to present and analyse data collected during investigations and fieldwork

Music – Mr Neale

In this unit, students will be examining 'rap' music and creating their own rap song. They will continue examining musical elements and apply this knowledge in their performances and compositions. They will revise their understanding of the guitar and ukulele along with basic chords, as well as basic chord playing on the piano.

Guidance & Skills – Ms Yip & Mrs Laien

During Semester 1, students will work through a range of essential study skills essential to succeed. Through this, students explore topics such as the importance of study, growth mind set, goal setting / organisation, time management, diet / sleep, technology / social media and a range of techniques that may assist with study.