



Maths

9 Maths – Mr. McKeiver

In this unit Students' will develop their understanding of the fundamentals of probability and statistics includes identifying complementary events, using two-way tables and Venn diagrams, and exploring the mean and median.

Students will:

- identify numerical and categorical variables
- conduct two-step chance experiments with and without replacement
- calculate relative frequencies
- investigate surveys used in the media
- describe the spread of data.

10 Maths – Mr McKeiver

In this unit, students extend their understanding of algebra and linear modelling to non-linear situations. Students complete a series of challenges involving:

- factorising quadratic functions of the form $x^2 + bx + c$, and solving related quadratics equations
- sketching quadratic functions
- solving simultaneous equations.

Students' understanding of variation is extended in this unit. They will explore more detailed analysis of variation, including the use of data displays to make informed decisions.

Physical Education – Mr Collins

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

Health – Mrs Laien

Universal Values

Thus term, students, explore values which are common to religions and peoples at all times and in all places. It is designed to help students analyse world issues relating to religion, the economy and politics by considering universal values.

Students will:

- describe and explain how universal values are applicable to PNG and the world
- identify a range of role models and their common characteristics
- clarify personal values and recognise factors that influence them

Year 9 - English – Ms Yip

Transforming Shakespeare: Romeo and Juliet

In this unit, students will analyse key scenes from the play Romeo and Juliet and consider the characters, themes, issues and the power of the language. Students revisit their prior knowledge of Shakespeare, analyse his use of language and dramatic techniques, and transform a scene to a modern form of communication (email). They will make comparisons between this text and other literary texts and participate in a small group discussion.

Students will do short comprehension activities relating to this unit.

Students will work individually to construct an alternative ending, intervening anywhere in the play from the point when Romeo is banished.(major assignment)

Year 10 – English – Ms Yip

PNG Exam preparation

Jacaranda English Intertextuality Unit 2. (2 weeks)

Students will explore how ideas, storylines, characters and themes can be shared among texts. Students will learn about the techniques of appropriation. They will identify how the meaning of a text varies with form, context, and interpretation.

Poetry revision – Jacaranda English Unit 7.3 (2 weeks)

Students will revise poetic devices and techniques, identify features and structures of the various poetry types, understand, and interpret poems and analyse and evaluate poems

Camera shots and angles (2 weeks)

Students will identify the different types of camera shots and angles, and their effects.

Skills: Comprehension, Grammar, Vocabulary & Spelling and Cloze Texts – Create and Communicate Book 4 (3 weeks)

Students will review verbs, tenses, speeches, clauses and phrases, punctuation, prepositions, conjunctions, sentence structures, SVO/SVA. They will read short texts and comprehend, Learn new words to build vocabulary and identify common misspelt words and grammatical errors. Students will practice filling in Cloze texts.

Year 9. Design Technology Workshop– Mr Collins

In this unit of Technology students will design and make a storage box for pencils, stationary or other small items. Through this, students develop an understanding of workshop safety, natural and man-made wood products and also a range of tools, equipment and processes used to work with wood. Students will also finish their product to a high standard.

Students will:

- be given a set amount of material to design can be constructed a wooden storage box
- draw plans for their final design
- utilise various materials and hand tools and machines to manufacture a wooden box
- sand and finish the final product to an appropriate standard

submit a folio of work including an individual evaluation

Year 10. Design and Technology - Textiles

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.

Students will:

- measure the fabric and cut out the pieces as required for sewing a tote bag; 2 pieces front and back, 1 piece pocket and 2 pieces for the strap.
 - use measurement in inches for the different parts of the tote bag.
 - use an electric sewing machine to sew the tote bag.
- trim loose threads of the final product, if necessary, iron out the tote bag.

Work Studies – Mr Collins

In this unit, students explore employability skills and personal attributes as required in the workplace. They also reflect on their own strengths and weaknesses to identify their own personal attributes. They use this personal reflection to write a resume and cover letter for a potential job.

HSC Examination Mock Papers 2020 (1 week) – Ms Yip, Mr McKeiver, Mrs Laien, Mr Collins

In week 5 – Students will sit the final Mock Exam – 2020 Examination Papers

Subjects they will be sitting for are English, Mathematics, Science, Social Science, Business Studies, Personal Development, Computer Technology. An analysis of this final mock exam will assist teachers in preparing students for the actual PNG National Exam in week 2 of Term 4.

Students will be better prepared for the actual PNG National Exams in week 2 of term 4, as they review and revise, and do practice activities related to units of the seven examinable subjects.

HASS – Mrs Laien

Geography

Environment change, Pollution and Solutions

This term, students will learn that PNG, as part of the global community will continue to be affected by environmental change.

Students will:

- Identify, describe and explain the causes and effects of environmental changes
- Apply knowledge and skills to preserve and promote a sustainable environment for better living
- Communicate ideas and information in a variety of ways

Guidance & Skills – Ms Yip

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.

Music – Mr Neale

This term, students will have a larger instrumental focus. They will learn the musical mechanics of the guitar, ukulele and piano. To achieve this, some fundamental music concepts will be learnt. Students will learn how to play basic chords on the piano, ukulele and guitar, and basic scales on the guitar and piano. This will assist them in learning to play a range of songs on each of these instruments. They will also be exposed to reading guitar and ukulele tablature.

Business Studies – Mrs Laien

Keeping Accounts Wk 1-5

This term, students will identify documents and statements that are relevant to book keeping. They will keep records of both cash and credit transactions using relevant accounting books and understand the significance of keeping source documents and statements for reconciliation purposes.

Key questions:

- What is the significance of bookkeeping in small business?
- Why is banking a crucial part in running a business?

Law and Business Regulations in PNG Wk 5-10

This term, students take into consideration particular laws and regulations when planning and operating a business.

Key question:

- Why do businesses operate within a legal environment?
- What is the function of registering and licensing?
- What laws affect business operations?

Arts– Mrs Laien

Drama

This term, students are to experience the power of the performing arts in conveying meaning and messages. Students are able to derive meaning of performances from their own experiences.

Students will:

- Create and perform drama
- Respond to and appreciate artistic expressions

Science - Mr McKeiver

Chemistry – Chemical Reactions

During this term students will deepen their understanding of chemical changes and the factors that influence such changes. This will also include investigating specific reactions of acids and bases and writing balanced equations.