Term Overview: Term 3, 2017 **Grade:** 4/5 **Class Teacher:** Ms Cathy Langusch

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Maths: Students will participate in a range of mathematical activities including investigations, workbook activities and problem-solving activities. Topic areas for major focus this term include:

- consolidating number and place value concepts including decimals
- consolidating understanding of fractions, including placement on a number line, equivalent fractions, the relationship between mixed numbers and improper fractions and fraction patterns
- consolidating algorithms (addition, subtraction, multiplication and division as appropriate) extending to decimals and fractions for Year 5
- consolidating multiplication and division number facts, factors and multiples (Year 5) and relating multiplication facts to division (Year 4)
- solving word problems and writing number sentences to match a word problem
- consolidating Australian and PNG currencies and solving money problems
- investigating 3D shapes, volume and units of measurement for volume
- investigating transformation of shape, including splitting and describing shapes and symmetry (Yr 4) and enlargements, translations, reflections, rotations, line and rotational symmetry (Yr 5)
- investigating the language of chance, the likelihood of events and conducting chance experiments

Year 4

NUMBER AND ALGEBRA: Number and place value – WHOLE NUMBER

- continue to consolidate place value concepts (whole numbers and decimals to hundredths)
- fractions: number line and number patterns, equivalent fractions, mixed numbers and improper fractions
- consolidate written and mental strategies for multiplication
- use efficient written and mental strategies for division (no remainders)
- write a number sentence from a word problem and solve (all four operations)

Money and financial maths

- revise Australian and PNG currencies
- solve problems involving purchases and the calculation of change to the nearest five cents

MEASUREMENT AND GEOMETRY - Using units of measurement – VOLUME, CAPACITY and MASS

- understand that volume is the amount of space occupied by a three-dimensional object
- compare volumes using centicubes and metric units
- understand that capacity is the amount of liquid a container can hold
- investigate capacity using mL and L
- understand that we measure mass using g and kg
- choose appropriate units of measurement when estimating and measuring capacity and mass

SHAPE

- Compare and describe two dimensional shapes that result from combining splitting common shapes, with and without the use of digital technology

Location and transformation – SYMMETRY

- investigate symmetry in our everyday world
- create symmetrical patterns, pictures and shapes with and without digital technologies

STATISTICS AND PROBABILITY - Chance – CHANCE

- describe possible everyday evens and order their changes of occurring
- identify everyday events where one cannot happen if the other happens
- identify events where the chance of one will not be affected by the occurrence of the other

Year 5

NUMBER AND ALGEBRA: Number and place value – continue to consolidate place value concepts, algorithms and problem-solving strategies as required

- solve problems using factors and multiples
- solve problems involving multiplication of large numbers by two-digit numbers

Fractions and Decimals

- addition and subtraction of common fractions and decimals
- consolidate improper fractions, mixed numbers and equivalent fractions

Money and financial maths

- create simple financial plans
- solve money problems

MEASUREMENT AND GEOMETRY: Using units of measurement/Shape – VOLUME

- construct simple prisms and pyramids
- connect three-dimensional objects with their nets and viewpoints
- connect volume and capacity, mass and their units of measurement
- convert between common units of mass and volume

Location and transformation –

- understand and identify translations, reflections and rotations
- describe the movement of a shape
- create patterns and describe the effects of transformations using flips, slides and turns
- identify line and rotational symmetries
- enlarge familiar 2D shapes and designs/pictures and compare the image with the original

STATISTICS AND PROBABILITY: Chance – CHANCE

- discuss the meaning of probability terminology and use it appropriately
- list outcomes of chance experiments
- describe probability using fractions
- describe probability using decimals between 0 and 1
- conduct chance experiments and record and compare results

English ~ Unit focus 'Exploring Information Texts'

In this unit, students will review and consolidate their understanding of the structure and textual features of written informative texts. Students will listen to, read, view, interpret and evaluate a range of informative texts including media texts, digital and non-fiction texts. They will create an informative report using technical and content information about an endangered animal. They will create a poster and orally present their information report to their peers.

Humanities and Social Sciences (HASS) ~ Investigating the colonial period in Australia (History)

In this unit students will explore reasons for colonisation during the 1800s and how lives were changed as a result. They will identify locations of colony settlement across Australia and the impact this had on different communities. They will investigate a significant event on an Australian colony and the contributions of people who helped shaped Australia during this time period. The key inquiry questions for the unit are:

- How did an Australian colony develop over time and why?
- What were the significant events and who were the significant people that shaped Australian colonies?

English ~ Core Skills

Reading and Viewing: Students will continue to participate in a wide range of reading activities including guided, shared and modelled reading. Comprehension activities will focus on developing literal (right there), inferential (hidden in the text) and evaluative (what do you think) reading strategies through group and independent activities.

Speaking and Listening: Students will present their information report for their speaking task.

Spelling: **The school follows the 'Sound Waves Program.** Students will continue to develop their spelling skills and strategies through a range of activities. Spelling is pre-tested Monday and post-tested Friday.

Handwriting: This term we will continue to develop fluency through letter joins and letter formation.

Grammar: This term we will continue to consolidate our understanding of clauses including identifying the main and subordinate clauses and co-ordinating conjunctions. Students will consolidate their understanding of direct and indirect speech, noun and verb groups and the use of an apostrophe to show possession or a contraction.

Health ~ Mrs Watkins: Persistence (You Can Do It! Program)

Students will identify their own personal challenges and learn to apply strategies to overcome these challenges. They will develop an understanding of the importance of working to their personal best and explore influential people and their pathway to success. They will:

- examine their personal strengths and weaknesses
- apply strategies to overcome challenges and be successful
- set personal goals for successful outcomes
- recognize ways to achieve personal goals
- investigate the success of influential people

Science ~ Survival in the environment (Biological Sciences)

During this term students examine the behavioural and structural features and adaptations that allow living things to survive in their environment. They use this new knowledge to pose questions and make predictions about the relationship between these adaptations and human activity. Students will:

- describe adaptations of living things to the Australian environment and other extreme environments
- explain how particular adaptations assist survival
- classify adaptations as structural or behavioural
- appreciate Aboriginal and Torres Strait Islander understandings of adaptations
- research how people's understanding of the adaptations of living things influences decisions made about food sources cultivated in different environments
- pose questions and make predictions about how global warming might affect the survival and future adaptations of living things

The Arts (Visual art and Drama) ~ Mrs Neale

In Visual Arts, students will apply some of the knowledge they've gained about warm and cool colours to create effective art pieces. However, this term, a large portion of our time will be spent exploring the 'elements of Drama' and rehearsing for performances later in the term. Students will develop performance skills and confidence by participating in various small skits with classmates, and by rehearsing a play to perform for parents and family members. The date of the performance will be announced a little further down the track.

The Arts (Music) ~ Mr Neale

This term, there will be a strong focus on beat and rhythm through singing, movement, tuned and un-tuned percussion. Students will learn and perform a traditional Torres Strait Island song using voice and instruments. Later in the term, we will be developing ukulele skills. It is sure to be a fun and musical journey!

Tok Pisin ~ Mrs Pesas

This term students will look at different types of artefacts in PNG. They will:

- name them
- say which province they originate from
- how they are made
- their use

They will also briefly discuss the history of PNG in the late 1800s.

Physical Education ~ Miss Collins ** Swimmers, towel and thongs required

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

Technology ~ Digital Technologies

This term in Technology, students will explore how to create simple animations and movies using the Moviemaker program. Students will plan their text using a storyboard and develop their Moviemaker skills using through a range of activities including programs (Paint! and Pivot) and photos.

Special Class Activities and times: **Assembly item:** Week 2 **Phys Ed:** Monday **Library:** Thursday **Homework class:** Wednesday 3.00 – 4.00