Term Overview: Term 3, 2021 **Grade**: 5/6 **Class Teachers**: 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:

- Rounding and estimating numbers to check the reasonableness of answers (Year 5)
- Exploring integers (Year 6)
- Multiplication of 1- and 2-digit numbers and division by 1-digit (Year 5) and problem solving
- Operations with decimals (Year 6)
- Using the order of operations (Year 6) and solving number sentences (Year 5)
- Addition and subtraction of fractions with the same denominator (Year 5)
- Investigating and constructing 3D shapes and nets
- Investigating volume and the conversion of volume units
- Understanding how shapes are transformed through enlargement (Year 5) and translation, reflection and rotation (including on the Cartesian Plane for Year 6)
- Investigating line and rotational symmetry (Year 5)

Problem solving activities will focus on students' using the SEE, PLAN, DO, CHECK scaffolding.

Year 5

NUMBER AND ALGEBRA

Number and place value

- Solve problems involving multiplication of large numbers by one- or two-digit numbers using efficient mental, written strategies and appropriate digital technologies
- Solve problems involving division by a one-digit number, including those that result in a remainder
- Use estimation and rounding to check the reasonableness of answers to calculations

Fractions and Decimals

- Investigate strategies to solve problems involving addition and subtraction of fractions with the same denominator

Patterns and algebra

- Describe, continue and create patterns with fractions, decimals and whole numbers resulting from addition and subtraction

MEASUREMENT AND GEOMETRY

Shape

- Connect three-dimensional objects with their two-dimensional representations

Using units of measurement

- Choose appropriate units of measurement for length, area, volume, capacity and mass

Location and transformation

- Describe translations, reflections and rotations of two-dimensional shapes
- Identify line and rotational symmetries
- Apply the enlargement transformation to familiar two-dimensional shapes and explore the properties of the resulting image compared with the original

Year 6

NUMBER AND ALGEBRA

Number and place value – INTEGERS

- Investigate everyday situations e.g. temperatures that use positive and negative whole numbers and zero.
- Locate and represent positive/negative numbers on a number line.

Patterns and algebra - ALGEBRA

- Explore the use of brackets and order of operations to write number sentences

Fractions and Decimals

- Add and subtract decimals, with and without digital technologies and use estimation and rounding to check the reasonableness of answers
- Multiply decimals by whole numbers and perform divisions that result in terminating decimals

MEASUREMENT AND GEOMETRY

Using units of measurement – VOLUME

- Connect decimal representation to the metric system
- Convert between common metric units of length, mass and capacity
- Connect volume and capacity and their units of measurement

Shape

- Construct simple prisms and pyramids from nets and skeletal models

Location and transformation

- Investigate combinations of translations, reflections and rotations, with and without the use of digital technologies
- Introduce the Cartesian coordinate system using all four quadrants

English ~ Unit focus: Novel Study

'Holes' by Louis Sachar

In this novel study, students will explore how in a narrative text, characters, plot and setting are purposely developed by the author. Students will discuss the themes explored within the novel, including family relationships, actions and consequences, friendship, bullying and resourcefulness,

Students will complete a range of comprehension activities based on the novel to demonstrate their understanding of characters, events and author purpose. Students will create a written text identifying and discussing the major themes of the novel, using examples from the text to support their thinking. In a small group, they will participate in a discussion about characters and events in the novel and also draw comparisons between the book and the movie.

English ~ Core Skills

Reading and Viewing: Students will 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 participate in a group discussion about the novel 'Holes'.

Spelling: LIPS follows the 'Sound Waves Program. Students will continue to develop their spelling skills and strategies through a range of activities. Spelling will be pre-tested on Mondays and post-tested on Fridays.

Handwriting: It is generally expected that **students will use cursive writing for all writing activities unless otherwise negotiated,** including homework.

Grammar: This term students will consolidate their understanding grammar terminology and identifying clauses and phrases in a sentence. They will continue consolidate their understanding of punctuating complex sentences and using direct speech.

Humanities and Social Sciences (HASS)

Exploring a diverse world – Geography

In this unit, students will develop their understanding of the diversity of peoples and cultures around the world, including indigenous peoples of other countries, to reflect on cultural differences and similarities. Students explore global diversity by examining spatial distributions, patterns and trends in maps, graphs and tables, using spatial technologies where appropriate. The scale is global with a study of the world's cultural, economic, demographic and social diversity (including that of its indigenous peoples), with a particular focus on countries of the Asia region.

Key inquiry question:

- How do places, people and cultures differ across the world?

Health (Mrs Romas-Daimol) ~ Let's all be active!

In this unit, students will review sedentary behaviour and physical activity and the reasons why people participate in physical activity. They will identify how various technologies could be used to increase participation in physical activity and connections to the environment.

Physical Education (Mr McKeiver) ~ Swimming: Junior Lifesaver

This term, students will practise specialised movement skills, including swimming strokes, survival strokes and rescue situations. They will apply and combine the above skills in different rescue and real-life situations. Students will apply critical and creative thinking processes in order to generate and assess solutions to lifesaving challenges.

Science ~ Light Fantastic! (Physical Sciences)

During this term, students will investigate the reflection, absorption, transmission and refraction of light and the formation of shadows. They will explore the role of light in everyday objects and devices.

PNG Studies ~ Human settlement patterns in PNG (Mrs Romaso-Daimol)

In this unit, students will describe how national physical environments influence human settlement patterns in the nation and neighbouring regions.

Key Inquiry Question:

- How do physical environments influence human settlement patterns in the nation and neighbouring regions?

Technologies ~ Responding to a design challenge (Design and Technologies)

Students will develop their understanding of the steps in the design process. In response to a design brief, they will design and produce a chariot for a sphero bot in readiness for the 'Sphero racing challenge', considering material choices and sustainability.

The Arts ~ Visual Arts (Mrs Romaso-Daimol)

In Arts this term, students will create designs and artworks based on cultures around the world, with a major focus on Australian Aboriginal artworks. They will consider how artworks can contribute to a country's style or identity and how images of significant people or landmarks can be created in artworks to identify or represent a country.

The Arts ~ Music (Mr Neale)

This Term, students will revise previous musical concepts and elements learnt. They will expand their knowledge of how these elements are used by further looking at a repertoire of songs from around the world. Students will compose music using excerpts of known music. Students will continue practicing instruments with a focus on piano, along with ukulele and guitar.

Class Activities – Assembly item: Week 5 **PE:** Wednesday **Library:** Thursday **Homework class:** Wednesday 3.00 - 4.00pm (from Wk 2)