



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
- Working with fractions, decimals (Year 5) and extending to percentages for Year 6
- Exploring integers (Year 6)
- Using a grid reference and directional language to locate places (Year 5)
- Finding coordinates for a given point on the Cartesian plane (Year 6)
- Exploring units of measurement for area and calculating the area of shapes
- Reviewing the properties of 2D shapes
- Measuring, drawing and classifying angles
- Using angle reasoning to calculate an unknown angle.

Year 5	Year 6
<p>NUMBER AND ALGEBRA Number and place value –</p> <ul style="list-style-type: none"> • Continue to consolidate place value concepts, algorithms and problem-solving strategies as required <p>Fractions and Decimals – FRACTIONS AND DECIMALS</p> <ul style="list-style-type: none"> • Connect key fractions and decimals • Investigate fractions of a quantity • Identify proper, improper fractions and mixed numbers • Convert between improper fractions and mixed numbers and vice versa • Make equivalent fractions • Add and subtract decimals • Consolidate decimal understanding to hundredths and extend to thousandths • Round decimals to check reasonableness of answers • Solve decimal and fraction problems <p>MEASUREMENT AND GEOMETRY Using units of measurement – AREA</p> <ul style="list-style-type: none"> • Investigate units of measurement for area and • Calculate the area of rectangles • Solve problems involving area <p>Location and transformation</p> <ul style="list-style-type: none"> • Use a grid reference system to describe locations • Describe routes using landmarks and directional language <p>Geometric reasoning - ANGLES</p> <ul style="list-style-type: none"> • Review 2D shapes and their properties • Classify triangles and describe quadrilaterals • discuss parallel and perpendicular lines • Identify that angles have arms and a vertex; the size of an angles is the amount of turning required for one arm to coincide with the other; angles are measured in degrees • Estimate and measure angles using a protractor • Draw angles using a protractor • Compare and classify angles – identify a right angles as being 90° and then relate to acute, obtuse and reflex angles • Identify a straight angle as being 180 ° and a revolution as being 360 ° 	<p>NUMBER AND ALGEBRA Number and place value – INTEGERS</p> <ul style="list-style-type: none"> • 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. • Solve everyday additive problems involving positive and negative numbers • Introduce the Cartesian plane and find coordinates for a given point <p>Fractions and Decimals – FRACTIONS, DECIMALS and PERCENTAGES</p> <ul style="list-style-type: none"> • Consolidate fraction work from Term 1 • Connect fractions, decimals and percentages • Solve addition and subtraction problems involving fractions with the same or related denominators, including regrouping • Investigate fractions of a quantity • Round decimals to check reasonableness of answers • Add and subtract decimals, multiply and divide decimals • Use key percentages to calculate amounts without a calculator and calculate percentages using a calculator • Solve decimal, fraction and percentage problems <p>MEASUREMENT AND GEOMETRY Using units of measurement – AREA</p> <ul style="list-style-type: none"> • Calculate area of rectangles, squares and triangles and solve problems involving the comparison of lengths using appropriate units <p>Using units of measurement - ANGLES</p> <ul style="list-style-type: none"> • Review 2D shapes and their properties – • Classify triangles and describe quadrilaterals • Identify that angles have arms and a vertex; the size of an angles is the amount of turning required for one arm to coincide with the other; angles are measured in degrees • Review measuring and drawing angles using a protractor to the nearest degree • Classify angles – acute, right, obtuse, straight, reflex and revolution and relate and compare angles to right angles. • Investigate angles on a straight line, angles at a point and vertically opposite angles • Solve problems using angle reasoning

<p>English ~ Unit focus Persuasive Texts Forms of media such as television, newspapers, Internet websites and magazines create and publish persuasive texts that express opinions on important issues in our society today. Students will analyse a range of persuasive texts and explain how they are effective in influencing audiences. They will investigate how persuasive text structures, language features and appropriate vocabulary shape meaning and influence others to understand a particular point of view. They will create a written text that persuades an audience to agree with a point of view. They will present an oral persuasive speech for their peers on a topic of interest.</p> <p>Humanities and Social Sciences (HASS) ~ Investigating the impact of natural hazards. (Geography) In this unit students will develop their understanding of the impact of bushfires or floods on environments and settlements, and how the principles of prevention and preparedness reduces the effects of natural hazards. The scale of study is global with the use of case studies from Australia and selected countries.</p> <p>The key inquiry questions for the unit are:</p> <ul style="list-style-type: none"> • How do people and environments influence one another? • How can the impact of bushfires or floods on people and places be reduced? <p>Exploring decision-making in everyday life (Economics and Business) In this unit students will distinguish between needs and wants and recognise why choices need to be made about how limited resources are used. They will learn that there are different types of resources and that societies use them to satisfy needs and wants of present and future generations; and understand that a variety of factors influence consumer choices and different strategies can be used to help make informed personal consumer and financial choices.</p> <p>The key inquiry questions for this unit are:</p> <ul style="list-style-type: none"> • Why do I have to make choices as a consumer? • What influences the decisions I make? • What can I do to make informed decisions? 	<p>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 present an oral persuasive speech as their speaking task this term. Spelling: The school 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. This term we will continue to revise letter joins and letter formation, focusing on speed and neatness. Grammar: This term we will be revising the use of commas, apostrophes and quotation marks, how words can be omitted in a sentence (ellipsis), subject-verb agreement (tense) and the use of conjunctions in sentences and clauses.</p> <p>Health ~ Healthy Habits In this unit, students will explore the concept of health and the importance of food and activity. They will identify good habits and the concept of mental fitness. They will identify how activity and good food contribute to overall health and mental fitness.</p> <p>Physical Education (Miss Collins) ~ Athletics In this unit, students will develop specialised movement skills and explore the benefits of flexibility within the context of athletics. Students will discuss the impact regular participation can have on health and wellbeing and participate in physical activities designed to enhance fitness. They will develop and practise fundamental movement skills to perform shot put, discus, long jump, high jump and sprinting.</p> <p>Tok Pisin ~ Ms Tukata This term we will be making connections with Year 5/6 HASS unit. We will be investigating, discussing, mapping and doing research about the impact of natural hazards in Lihir/ PNG and ways of preventing and getting ready for natural hazards which may lead to reducing their effects.</p>
<p>The Arts ~ Media Students will work in a small group to create a digital text with a message/focus. Possible topics include presenting a Science experiment, a procedure (how to make or fix something) or creating a resource to promote LIPS for the school website/visiting looksee families.</p>	<p>Science ~ A sustainable planet (Physical sciences) During this term students investigate how energy from a variety of sources can be used to generate electricity. They investigate personal and community choices to use sustainable energy sources.</p> <p>Students will:</p> <ul style="list-style-type: none"> • revise the concept of energy in the context of electricity • investigate the need for a complete circuit to allow electrical flow • explore features of electrical circuits and use the associated equipment safely • identify energy transformations and transferences in electrical circuits and everyday electrical devices • investigate the difference between electrical conductors and insulators • select methods to investigate how moving air and water can be used to generate electricity • research why sustainable sources of energy are being considered by communities
<p>The Arts ~ Music (Mr Neale) The focus for this term will be on ukulele and guitar. This will require students to revise previous chords and songs learnt and to incorporate new songs into their repertoire. It will be a goal for every student to learn a range of chords on both instruments. We will continue practising solfa singing as a tool for recognising variances in pitch.</p>	<p>Special Class Activities and times: Assembly item: Week 4 PE: Thursday Library: Friday Homework class: Wednesday 3.00 – 4.00 (after the Netball Carnival) Media: Thursday 3.00 – 4.00</p>
<p>Technologies ~ Digital Technologies Students will investigate and explain the fundamentals of digital system components (hardware, software and networks) and how digital systems are connected to form networks. They will review their understanding of the use of algorithms in computer technology and explore how digital systems use whole numbers as a basis for representing a variety of data types.</p>	

