



Should you require further information please contact me – catherine.langusch@newcrest.com.au

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 (whole numbers and decimals as outlined below)
- consolidating algorithms (addition, subtraction, multiplication and division)
- working with fractions and decimals
- exploring number patterns
- finding unknown quantities in number sentences
- consolidating units of measure for length and converting units of measure
- estimating the length and then measuring using scaled instruments
- calculating the perimeter of shapes and real objects
- connecting decimal representations to the metric system and converting between common metric units of length, mass and capacity

Year 5	Year 6
<p>NUMBER AND ALGEBRA Number and place value – WHOLE NUMBERS</p> <ul style="list-style-type: none"> • revise place value – compare and order large numbers; rounding numbers • identify factors and multiples (including divisibility rules) and describe prime and composite numbers • revise and consolidate algorithms – addition, subtraction, multiplication (1 digit) and division (with and without remainders) using efficient mental and written strategies for all four operations with whole numbers • calculate multiplication of 2 digit by 2 digit numbers • apply algorithms into problem solving activities • use estimation and rounding to check the reasonableness of answers <p>Fractions and Decimals</p> <ul style="list-style-type: none"> • compare fractions with related denominators and represent them on a number line • consolidate tenths and hundredths and relate to common fractions • compare, order and represent decimals and fractions <p>Patterns and algebra - ALGEBRA</p> <ul style="list-style-type: none"> • sequence patterns involving whole numbers, fractions and decimals • identify the rule and missing numbers in pattern • investigate square numbers and triangular numbers • relating operations (+ and -, x and ÷) and < > • solve simple equations finding the unknown • compare sides of an equation using < > <p>MEASUREMENT AND GEOMETRY Using units of measurement – MEASUREMENT AND PERIMETER</p> <ul style="list-style-type: none"> • connect decimal representations to the metric system • convert between common metric units of length, mass and capacity • solve problems involving the comparison of lengths using appropriate units • find the perimeter of rectangles 	<p>NUMBER AND ALGEBRA Number and place value – WORKING WITH NUMBERS</p> <ul style="list-style-type: none"> • Revise place value to millions – compare and order large numbers; rounding numbers; represent numbers using powers of 10 • Identify prime and composite numbers (including revising divisibility rules); factor trees and powers of prime; lowest common multiple • square numbers and triangular numbers • use efficient mental and written strategies for all four operations with whole numbers <p>Fractions and Decimals - FRACTIONS</p> <ul style="list-style-type: none"> • compare fractions with related denominators and represent them on a number line • solve addition and subtraction problems involving fractions with the same or related denominators • revise decimals to hundredths and explore x and ÷ by 10, 100 and 1 000 (powers of 10) • express a quantity as a fraction of another <p>Patterns and algebra - ALGEBRA</p> <ul style="list-style-type: none"> • sequence patterns involving whole numbers, fractions and decimals • identify and describe the rule of a number pattern and predicting steps in the pattern • relating operations (+ and -, x and ÷) and < > • solve simple equations using brackets and order of operations <p>MEASUREMENT AND GEOMETRY Using units of measurement – MEASUREMENT AND PERIMETER</p> <ul style="list-style-type: none"> • connect decimal representations to the metric system • convert between common metric units of length, mass and capacity • calculate the perimeter of a range of shapes • solve problems involving the comparison of lengths using appropriate units

<p>English ~ Unit focus Novel study – Blueback by Tim Winton and Narratives <i>Blueback is a beautifully written novel that tells the story of Abel Jackson and his love of the ocean and Blueback – the biggest and most beautiful fish he’s even seen.</i> In this novel study, students will explore how in a narrative text, characters, plot and setting are purposely developed by the author. They will analyse how Tim Winton uses descriptive writing within this text, with particular focus on the use of noun groups and imagery and how his style is different to that of other well-known narrative authors eg Emily Rodda. Following the novel study, students will further develop their understanding of narrative text structure. They will discuss how different authors make choices to entertain the reader and analyse language and literary devices and their effectiveness within narrative texts. In writing activities there will be a focus on brainstorming and planning ideas in response to a given stimulus (similar to NAPLAN writing tasks) as well as writing, editing and publishing. Students will plan and write a short story for our class book of stories.</p>	<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 book review 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 be revising letter joins and letter formation. Grammar: This term we will be revising types of sentences, punctuating direct and indirect speech and grammar terminology (noun, verb, adjective, adverb, pronoun etc) and identifying the main (independent) clause in a sentence. We will also learn how we can join sentences using conjunctions. Year 5 students will also complete a range of grammar activities in preparation for NAPLAN, in a similar testing format.</p>
<p>Humanities and Social Sciences (HASS) ~ Exploring the development of British colonies in Australia (History) In this unit students will explore reasons for colonisation 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. The key inquiry questions for the unit are:</p> <ul style="list-style-type: none"> • How did an Australian colony develop over time and why? • How did colonial settlement change the environment? • What were the significant events and who were the significant people that shaped Australian colonies? <p><i>In Week 8 Students will begin their HASS Geography unit - Investigating the impact of natural hazards.</i></p>	<p>Health ~ Emotional Interactions In this unit, students review the information they know about establishing and keeping relationships. They explore their roles in relationships and why they may change over time. Students explore differing opinions and understand assertive behaviours, as well as exploring bullying and harassment and how to prevent or stop bullying.</p> <p>Physical Education (Miss Collins) ~ Ultimate football Students will develop fundamental movement skills involved in ultimate football. Students will develop specialised movement skills to propel and receive a ball in a range of drills and games. They will also develop and apply attacking and defensive strategies, while working on positional play on the field. Individual student progress will be provided on a summative checklist based on participation, skill development and application for inclusion in portfolios.</p>
<p>The Arts ~ Visual Arts This term students will study the work of American pop artist, James Rizzi, who is known for his drawings, paintings and 3D constructions. He uses bold lines and bright colours in his artwork. Students will create their own artworks inspired by his style.</p>	<p>Science ~ Making Changes (Chemical sciences) During this term students investigate changes that can be made to materials and how these changes are classified as reversible or irreversible. They explore the effects of reversible and non-reversible reactions in everyday materials and how this is used to solve problems facing society. Students will:</p> <ul style="list-style-type: none"> • review changes of state caused by heating or cooling • discuss the difference between reversible and irreversible changes to materials • investigate changes of state caused by heating and cooling and why these are classified as reversible changes • investigate changes to material such as burning, rusting and composting and why these are classified as irreversible changes • explore how reversible changes are affected by the physical properties of materials
<p>The Arts ~ Music (Mr Neale) Students will re-visit and consolidate ‘rhythm’ and ‘beat’. They will start learning solfa (do, re, mi etc.), initially using simple folk songs, which will provide a repertoire for future studies involving pitch and writing music. Students will use a variety of instruments in an ensemble piece to be performed at the end of term.</p>	
<p>Technologies ~ Design and Technologies Students will consider how products are designed to meet a specific design brief through examining the 2018 Commonwealth Games medals, mascot and torch design. Students will then work through the design process to create their own designs, suitable for a PNG games bid.</p>	
<p>Tok Pisin ~ Ms Tukata This term we will be making connections with the HASS unit. We will be investigating, discussing, mapping and doing research about the history of PNG, how colonies developed over time and the impact of colonisation.</p>	

