



4-5 Term 1

Mathematical Concept	Year 4	Year 5
Number and Place Value	Year 4 students will: <ul style="list-style-type: none"> • make connections between representations of numbers • partition (group) and combine numbers flexibly • recall multiplication facts • formulate, model and record authentic situations involving operations • compare large numbers • generalise from number properties and results of calculations • derive strategies for unfamiliar multiplication and division tasks 	Year 5 students will: <ul style="list-style-type: none"> • make connections between factors and multiples • identify numbers that have 2, 3, 5 or 10 as factors • represent multiplication using the split and compensate strategy • choose appropriate procedures to represent the split and compensate strategy of multiplication • use a written strategy for addition and subtraction • round and estimate to check the reasonableness of answers • explore mental computation strategies for division • solve problems using mental computation strategies and informal recording methods • compare and evaluate strategies and make generalisations.
Fractions and Decimals	Year 4 students will: <ul style="list-style-type: none"> • communicate sequences of simple fractions 	Year 5 students will: <ul style="list-style-type: none"> • use models to represent fractions • count on and count back using unit fractions • identify and compare unit fractions and solve problems using unit fractions • add and subtract simple fractions with the same denominator.
Patterns and algebra	Year 4 students will: <ul style="list-style-type: none"> • use properties of numbers to continue patterns 	Year 5 students will: <ul style="list-style-type: none"> • Describe, continue and create patterns with whole



		numbers resulting from addition and subtraction
Data representation and interpretation	<p>Year 4 students will:</p> <ul style="list-style-type: none"> • collect and record data • communicate information using graphical displays • evaluate the appropriateness of different displays. 	<p>Year 5 students will:</p> <ul style="list-style-type: none"> • build an understanding of data • develop the skill of defining numerical & categorical data • generate sample questions • explain why data is either numerical or categorical • develop an understanding of why data is collected • choose appropriate methods to record data • interpret data • generalise by composing summary statements about data.
Using units of measurement	<p>Year 4 students will:</p> <ul style="list-style-type: none"> • use appropriate language to communicate times • compare time durations • use instruments to accurately measure lengths. 	<p>Year 5 students will:</p> <ul style="list-style-type: none"> • investigate time concepts and the measurement of time • read & represent 24-hour time • estimate and measure the perimeters of rectangles • investigate area metric units of measurement • estimate and calculate area of rectangles.
Chance	<p>Year 4 students will:</p> <ul style="list-style-type: none"> • compare dependent and independent events • describe probabilities of everyday events 	<p>Year 5 students will:</p> <ul style="list-style-type: none"> • identify and describe possible outcomes • describe equally likely outcomes • represent probabilities of outcomes using fractions • conduct a chance experiment and investigate the fairness of a game.