

Stage 1 sample half-year overview for Mathematics

Mathematics Program

Term 1

Weeks 1–5

Stage 1 Year 1

Number	Patterns and Algebra	Data	Measurement	Space and Geometry
Outcome Knowledge and Skills	Outcome Knowledge and Skills	Outcome Knowledge and Skills	Outcome Knowledge and Skills	Outcome Knowledge and Skills
<p>NS1.1 – Unit 1 Counts, orders, reads and represents two- and three-digit numbers.</p> <ul style="list-style-type: none"> Revision. <p>NS1.2 2 Uses a range of mental strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers.</p> <ul style="list-style-type: none"> Representing subtraction as the difference between two numbers. Using the terms ‘add’, ‘plus’, ‘equals’, ‘is equal to’, ‘take away’, ‘minus’ and ‘the difference between’. 			<p>MS 1.5 Sequences events and uses everyday language to describe the duration of activities.</p> <ul style="list-style-type: none"> estimating and measuring the duration of an event using a repeated informal unit. Eg, the number of times you can clap your hands while the teacher writes your name comparing and ordering the duration of events measured using a repeated informal unit. 	

Mathematics Program

Term 1

Weeks 6–10

Stage 1 Year 1

Number	Patterns and Algebra	Data	Measurement	Space and Geometry
Outcome Knowledge and Skills	Outcome Knowledge and Skills	Outcome Knowledge and Skills	Outcome Knowledge and Skills	Outcome Knowledge and Skills
<p>NS1.1 Unit 1 Counts, order, reads and represents two and three digit numbers.</p> <ul style="list-style-type: none"> • revise numbers 16–20 • reading and using the ordinal numbers to at least 31st, eg when reading calendar date • representing two digit numbers using numerals, words, objects and pictures. 			<p>MS 1.5 Compares the duration of events using informal methods and reads clocks on the half hour.</p> <ul style="list-style-type: none"> • naming and ordering the months of the year • recalling the number of days that are in each month • ordering the seasons and naming the months for each season • identifying a day and date using a conventional calendar. <p>MS1.3 Estimates, measures, compares and records volumes and capacities using informal units.</p> <ul style="list-style-type: none"> • estimating volume or capacity using appropriate informal units. 	<p>SGS1.1 Sorts, describes and represents 3D objects including cones, cubes, cylinders, spheres and prisms and recognises them in pictures and the environment.</p> <ul style="list-style-type: none"> • manipulating and describing common 3D objects including cones, cubes, cylinders, spheres and prisms • identifying and naming 3D objects including cones, cubes, cylinders, spheres and prisms from a collection of everyday objects • identifying cones, cubes, cylinders, spheres and prisms presented in different orientations.

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<p>NS1.1- Unit 1 Counts, orders, reads and represents two- and three-digit numbers.</p> <ul style="list-style-type: none"> combining materials into tens to model two-digit numbers applying and understanding of place value and the role of zero to read, write and order two-digit numbers counting forwards and backwards by 2s, 5s and 10s. <p>NS1.2 (see the Stage 1 sample lesson plan) Uses a range of mental strategies and informal recording methods for addition and subtraction involving one- and two- digit numbers.</p> <ul style="list-style-type: none"> using the terms ‘add’, ‘plus’, ‘equals’, ‘is equal to’, ‘take away’, ‘minus’ and ‘the difference between’ recognising and using the symbols +, - and =. <p>NS1.5 Recognises and describes the element of chance in everyday events.</p> <ul style="list-style-type: none"> using familiar language to describe chance events, eg might, certain, probably, likely, unlikely recognising and describing the element of chance in familiar activities, eg ‘I might play with my friend after school’. 	<p>PAS1.1 Creates, represents and continues a variety of number patterns, supplies missing elements in a pattern and builds number relationships.</p> <p>Number Patterns</p> <ul style="list-style-type: none"> identifying and describing patterns when counting forwards or backwards by 1s, 2s, 5s and 10s continuing, creating and describing number patterns that increase or decrease. 		<p>MS1.1 Estimates, measures, compares and records lengths and distances using informal units, metres and centimetres.</p> <ul style="list-style-type: none"> using informal units to measure lengths or distances, placing the units end-to-end without gaps or overlaps comparing and ordering two or more lengths or distances using informal units. <p>MS1.2 Estimates, measures, compares and records areas using informal units.</p> <ul style="list-style-type: none"> measuring area by placing identical informal units in rows or columns without gaps or overlaps counting informal units to measure area and describing the part left over estimating, comparing and ordering two or more areas using informal units. 	<p>SGS1.3 Represent the position of objects using models and drawings and describes using everyday language.</p> <ul style="list-style-type: none"> making simple models from memory, photographs, drawings or descriptions describing the position of objects in models, photographs and drawings drawing a sketch of a simple model using the terms ‘left’ and ‘right’ to describe the position of objects in relation to themselves, eg ‘The tree is on my right’.

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<p>NS1.1- Unit 1 Counts, orders, reads and represents two- and three-digit numbers.</p> <ul style="list-style-type: none"> stating the place value of digits in two-digit numbers, eg ‘in the number 32, the 3 represents 30 or 3 tens’. using the terms ‘more than’ and ‘less than’ to compare numbers counting and representing large sets of objects by systematically grouping in tens counting forwards and backwards by 10s, on and off the decade, eg 40, 30, 20, ... (on the decade); 27, 37, 47, ... (off the decade). <p>NS1.2 Uses a range of mental strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers.</p> <ul style="list-style-type: none"> recording number sentences using drawings, numerals, symbols and words using a range of mental strategies and recording strategies for addition and subtraction, including counting on from the larger number to find the total of two numbers. 	<p>PAS1.1 Creates, represents and continues a variety of number patterns, supplies missing elements in a pattern and builds number relationships.</p> <p><i>Number Patterns</i></p> <ul style="list-style-type: none"> representing number pattern on a number line or hundreds chart determining a missing element in a number pattern eg 3, 7, 11, ?, 19, 23, 27. 		<p>MS1.1 Estimates, measures, compares and records lengths and distances using informal units, metres and centimetres.</p> <ul style="list-style-type: none"> comparing the areas of two surfaces that cannot be moved or superimposed, eg by cutting paper to cover one surface and superimposing the paper over the second surface comparing the areas of two similar shapes by cutting and covering. 	<p>SGS1.3 Manipulates, sorts, represents, describes and explores various two-dimensional shapes.</p> <ul style="list-style-type: none"> manipulating, comparing and describing features of two-dimensional shapes, including hexagons, rhombuses and trapeziums using the terms ‘sides’ and ‘corners’ to describe features of two-dimensional shapes sorting two-dimensional shapes by a given attribute, eg number of sides or corners identifying shapes found in pictures and the environment joining and separating an arrangement of shapes to form new shapes.