



Wedge Park Primary School Mathematics Essential Learnings

Topic	Foundation	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
Number and Place Value(P-4) Types of Number (5/6)	<p>Counting I can count each object once to find a total</p> <p>I can count forwards and backwards in sequence from 0 to 20</p> <p>I can count forwards and backwards from any starting points to 20</p> <p>I can connect number names, numerals and quantities to 10 (then 20)</p> <p>I can order numbers to 20</p> <p>Subitising I can subitise small collections of objects</p> <p>I can use subitising to compare the size of collections</p> <p>Friends of 5/10 I can create partners of numbers to 5</p> <p>I can create patterns of numbers to 10</p>	<p>Counting I can count to and from 100 by 1s from any starting point</p> <p>I can skip count by 2s from zero</p> <p>I can skip count by 5s from zero</p> <p>I can skip count by 10s from zero</p> <p>Place Value I can recognise numbers to 100</p> <p>I can model numbers to 100</p> <p>I can read numbers to 100</p> <p>I can write numbers to 100</p> <p>I can order numbers to 100</p> <p>I can locate numbers on a number line and place them onto a prepared number line.</p> <p>I can model numbers in different ways using materials and images</p> <p>I can partition two digit numbers into tens and ones</p>	<p>Counting I can skip count by 2's, 5's and 10's from any starting point</p> <p>I can skip count by 3's</p> <p>Place Value I can read numbers to 1000</p> <p>I can model numbers to 1000 using concrete materials and pictures</p> <p>I can write numbers to 1000</p> <p>I can order numbers to 1000</p> <p>I can group, partition and rearrange numbers up to 1000</p> <p>I can place numbers on a numberline by creating intervals</p>	<p>Counting I can identify odd numbers</p> <p>I can identify even numbers</p> <p>Place Value I can recognise numbers to 10000</p> <p>I can model numbers to 10000</p> <p>I can read numbers to 10000</p> <p>I can order numbers to 10000</p> <p>I can place numbers on a number line which has a non zero starting point</p>	<p>Place value I can recognise numbers to tens of thousands</p> <p>I can model numbers to tens of thousands</p> <p>I can read numbers to tens of thousands</p> <p>I can order numbers to tens of thousands</p>	<p>Place value I can recognise numbers to hundreds of thousands</p> <p>I can model numbers to hundreds of thousands</p> <p>I can read numbers to hundreds of thousands</p> <p>I can order numbers to hundreds of thousands</p> <p>I can identify factors</p> <p>I can identify multiples</p>	<p>Types of Number I can identify prime and composite numbers</p> <p>I can identify square and triangular numbers</p> <p>I can locate integers on a number line</p> <p>I can use the order of operations to solve a multi-step problem</p>	<p>Types of Number I can find the square root of a number using my knowledge of square numbers</p> <p>I can find the difference between two integers</p> <p>I can add and subtract integers</p> <p>I can identify base and index forms of a number and show them in expanded notation</p>

<p>Addition and Subtraction (P-4)</p>	<p>I can add two numbers together by counting all</p> <p>I can add two numbers together by counting on</p> <p>I can count on from the larger number by using a number line</p> <p>I can add two numbers together by drawing a picture, making a model or using a tens frame</p> <p>I can take objects away from a group and work out what is left over</p> <p>I can take away by drawing a picture, making a model or using a tens frame</p>	<p>I can add two numbers together by counting on from the bigger number</p> <p>I can use number facts to ten to solve addition problems</p> <p>I can use friends of 10 to solve addition problems</p> <p>I can find the other 'part' to a whole number</p> <p>I can stop counting when I get to the larger number to find the difference</p> <p>I can use number facts to ten to solve subtraction problems</p> <p>I can take away by counting back</p>	<p>I can add 10 to a number</p> <p>I can use the bridging strategy to add numbers</p> <p>I can double single digit numbers</p> <p>I can double and add 1</p> <p>I can use the addition symbol when writing addition problems</p> <p>I can use the subtraction symbol when writing subtraction problems</p> <p>I can subtract 10 from a number</p> <p>I can halve numbers to 20</p>	<p>I can explain the connection between addition and subtraction</p> <p>I can identify efficient and inefficient strategies to solve addition and subtraction problems</p> <p>I can use 100s facts to solve addition problems</p> <p>I can use 100s facts to solve subtraction problems</p>	<p>I can partition numbers to solve addition problems</p> <p>I can partition numbers to solve subtraction problems</p> <p>I can use the distributive law to solve addition problems</p> <p>I can use the vertical algorithm to add and subtract numbers</p>	
<p>Multiplication and Division (P-5)</p>	<p>I can share a collection equally using one to one correspondence</p>	<p>I can identify if there is any leftovers when sharing</p> <p>I can represent everyday situations that model sharing.</p>	<p>I can identify and show multiplication as repeated addition</p> <p>I can identify and show multiplication as groups</p> <p>I can identify and show multiplication as arrays</p> <p>I can identify and show division as grouping into equal sets</p> <p>I can solve simple division problems by using knowledge of multiplication</p> <p>I can identify the difference between dividing an object into equal groups and dividing the same set of objects into groups [partition Vs quotation]</p>	<p>I can use strategies to recall multiplication facts of two, three, five and ten</p> <p>I can use my knowledge of multiplication facts to find related division facts</p>	<p>I can investigate number sequences involving multiples of 3, 4, 6, 7, 8, and 9.</p> <p>I can recall multiplication facts up to 10x10 and related division facts</p> <p>I can use known facts and strategies such as commutativity, doubling and halving for multiplication</p> <p>I can solve word problems by using number sentences involving multiplication or division where there is no remainder</p>	<p>I can identify and describe factors and multiples of whole numbers and use them to solve problems</p> <p>I can solve problems involving multiplication of large numbers by one- or two-digit numbers</p> <p>I can use the area model to solve multiplication problems</p> <p>I can solve problems involving division by a one digit number, including those that result in a remainder</p>

<p>Fractions (1-6)</p>								<p>I can explain that a fraction is made up of equal parts</p> <p>I can find half of an object</p> <p>I can share a collection into halves</p>	<p>I can describe how we use fractions in our everyday lives</p> <p>I can partition an object into quarters</p> <p>I can partition an object into eighths</p> <p>I can share a collection into quarters</p> <p>I can share a collection into eighths</p>	<p>I can locate $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$ and $\frac{1}{5}$ on a number line</p> <p>I can make unit fractions including $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{5}$ and their multiples to a complete whole</p>	<p>I can recognise common equivalent fractions in real-life situations</p> <p>I can use a fraction wall to find fractions which are equivalent</p> <p>I can continue number sequences involving multiples of quarters, halves and thirds, including with mixed numerals on a number line</p> <p>I can convert mixed numbers to improper fractions and vice versa</p> <p>I can make connections between fractions and decimals</p>	<p>I can compare and order common unit fractions, by using their denominators, and locate and represent them on a number line</p> <p>I can add and subtract fractions with the same denominators</p>	<p>Real Number</p> <p>I can find fraction families and locate them on a number line</p> <p>I can add and subtract fractions with related denominators</p> <p>I can find a fraction of a quantity</p> <p>I can connect fractions, decimals and percentages as different representations of the same number</p>	<p>Real Number</p> <p>I can add unrelated fractions</p> <p>I can subtract unrelated fractions</p> <p>I can multiply fractions</p> <p>I can divide fractions</p> <p>I can solve rate and ratio problems</p>
<p>Decimals (4-6)</p>								<p>I can explain what a decimal is</p> <p>I can explain the place value of decimals to the hundredths place</p>	<p>I can explain the place value of decimals past the hundredths place</p> <p>I can compare, order and represent decimals on a number line</p>	<p>I can add and subtract decimals</p> <p>I can multiply and divide decimals by multiples of powers of 10</p>				
<p>Patterns and Algebra (P-6)</p>	<p>I can sort and classify familiar objects and explain my reasoning</p> <p>I can copy a non-numerical pattern</p> <p>I can continue a non-numerical pattern</p> <p>I can create a non-numerical pattern</p>	<p>I can identify the repeating part of a pattern</p> <p>I can continue a number pattern</p>	<p>I can describe a pattern</p> <p>I can find the missing number in a counting pattern</p>	<p>I can describe, continue, and create number patterns resulting from performing addition or subtraction \square</p> <p>I can identify and write the rules for number patterns.</p> <p>I can describe a rule for an increasing or decreasing number pattern</p>	<p>I can use equivalent number sentences involving addition and subtraction to find unknown quantities</p> <p>I can identify missing quantities in number sentences</p>	<p>I can use equivalent number sentences involving multiplication and division to find unknown quantities</p> <p>I can describe, continue and create patterns with fractions, decimals and whole numbers resulting from addition and subtraction</p>	<p>I can identify a linear pattern</p> <p>I can continue and create sequences involving whole numbers, fractions and decimals and describe the rule used to create the sequence</p>	<p>I can construct a table of values</p> <p>I can use a rule to find an unknown value.</p> <p>I understand the difference between an expression and an equation.</p> <p>I can create expressions involving addition and subtraction from a rule</p> <p>I can explain how to substitute values into an equation</p> <p>I can solve simple linear equations using the balance method</p>						
<p>Financial Maths (P-6)</p>	<p>I can use toy money to pay for goods in play situations</p>	<p>I can recognise and describe the Australian coins by using their features</p> <p>I can order the Australian coins by their value.</p>	<p>I can count small collections of coins and notes according to their value</p> <p>I can order small collections of coins and notes according to their value</p>	<p>I can represent money values in multiple ways</p> <p>I can count the change required for simple transactions to the nearest five cents</p>	<p>I can solve problems involving purchases and the calculation of change to the nearest five cents in real-life scenarios</p> <p>I can apply the four operations to money transactions</p>	<p>I can create a simple budget</p>	<p>I can investigate and calculate percentage discounts of 10%, 25% and 50% on sale items</p>	<p>I can investigate and calculate best buys</p>						

Geometric Reasoning (3-6)				I can identify angles as measures of turn I can recognise that angles have arms and a vertex I can compare angle sizes	I can compare angles and classify them as equal to, greater than or less than a right angle I can classify angles as acute, right or obtuse	I can identify the size of a right angle as 90° and defining acute, obtuse, straight and reflex angles I can estimate, measure and compare angles using degrees I can measure and construct angles using 180° and 360° protractors	I can identify complementary angles I can identify supplementary angles	I can identify corresponding, alternate and co-interior angles in transversals I can justify the conditions of parallel lines I can classify triangles according to their properties I understand the angle sum of a triangle	
Length (P-6)	I can compare objects directly to determine which is longer	I can measure and compare the length using the same size everyday objects.	I can compare and order several shapes and objects based on length I can use appropriate everyday objects of the same size to measure length such as a piece of string	I can measure, order and compare objects I can recognise and use centimetres and metres	I can use scaled instruments to measure and compare the length of objects I can use scaled instruments to compare temperatures	I can choose appropriate units of measurement for length	I can connect decimal representations to the metric system I can convert between common metric units of length		
Area/ Perimeter (2-6)				I can use appropriate everyday objects of the same size to measure the area such as a kinder square	I can measure the area of rectangles (including squares) by counting the number of square centimetres	I can compare the areas of regular and irregular shapes using square centimetres	I can calculate the perimeter of rectangles I can find the area of rectangles	I can compare the area of two objects I can find the areas of parallelograms and triangles	
Volume (4-6)					I can compare objects using familiar metric using centimetre cubes	I can choose appropriate units of measurement for volume	I can find the volume of rectangular prisms using centimetre cubes	I can find the volume of rectangular prisms using a formula	
Capacity (P-3)	I can compare objects directly to determine which holds more/less	I can measure and compare capacity of containers using same materials e.g. cups, jugs				I can measure, order and compare objects using millilitres and litres			
Mass (P-5)	I can compare objects directly to determine which is heavier/lighter	I can measure and compare mass of objects using words. E.g. heavier, lighter, same				I can recognise and use grams and kilograms	I can compare masses using metric units		
Time (P-6)	I can compare and order the duration of events using everyday language of time I can name the days of the week I can identify the days of the week and link specific days to familiar events I can sequence familiar events in time order	I can describe duration of familiar events using months, weeks, days and hours I can identify the features of a clock (clockwise and anti-clockwise) I can read time to o'clock and the half hour on analogue and digital clocks	I can name and order the months and seasons I can find a date on a calendar I can say the number of days in a month I can tell the time using ¼ past the hour I can tell the time using ¼ to the hour	I can tell the time to the minute I can investigate the relationship between units of time(e.g. 60 minutes in an hour)	I can convert between units of time I can use am and pm notation and solve simple time problems	I can compare 12- and 24-hour time systems and convert between them	I can interpret and use timetables I can measure, calculate and compare elapsed time		

<p>Shape (P-6)</p>	<p>I can sort familiar two-dimensional shapes (squares, circles, triangles and rectangles)</p> <p>I can describe familiar two-dimensional shapes</p> <p>I can name familiar two-dimensional shapes</p> <p>I can sort familiar three-dimensional shapes (cubes, spheres)</p> <p>I can describe familiar three-dimensional shapes</p> <p>I can name familiar three-dimensional shapes</p>	<p>I can describe two-dimensional shapes and objects using 'corners,' 'edges' and 'faces'</p> <p>I can recognise and classify familiar three-dimensional objects focusing on simple features such as faces and (sides) and vertices.</p>	<p>I can identify kites and rhombuses</p> <p>I can identify the features of a two-dimensional shape, including straight or curved lines, edges and corners</p> <p>I can identify a cylinder, cone, rectangular prism and triangular prism.</p> <p>I can describe the features of a three-dimensional object, including faces, corners and edges</p>	<p>I can make models of three-dimensional objects</p> <p>I can describe key features/properties of three-dimensional shapes (vertex, vertices, edge, face)</p>	<p>I can identify what two-dimensional shapes the faces of three-dimensional shapes are made up of</p>	<p>I can connect three-dimensional objects with their nets and other two-dimensional representations</p>	<p>I can construct simple pyramids and prisms.</p>	<p>I can draw different views of prisms and solids formed from multiple prisms</p>
<p>Location and Transformation (P-6)</p>	<p>I can use positional words such as beside, between, near, next to, forwards and backwards to describe location</p> <p>I can follow simple directions</p>	<p>I can give and follow directions to familiar locations using directional vocabulary</p> <p>I can use the language of clockwise and anti-clockwise to give and follow directions (use language when teaching clocks)</p>	<p>I can locate locations on familiar maps (school)</p>	<p>I can create and interpret simple grid maps to show position and pathways</p>	<p>I can use the scale to interpret a map</p> <p>I can use the legend to interpret a map</p> <p>I can use directions to find features on a map</p>	<p>I can use a grid reference system to describe locations and pathways</p>	<p>I can locate points on a Cartesian Plane</p>	<p>I can plot points on the Cartesian plane and find coordinates for a given point</p> <p>I can solve simple linear equations</p> <p>I can analyse graphs from real life data</p>
<p>Chance (1-6)</p>	<p>I can describe the outcomes of familiar events using everyday language such as 'will happen', 'won't happen', or 'might happen'</p>	<p>I can describe the outcome of an event as likely or unlikely</p> <p>I can identify some events as certain or impossible</p> <p>I can explain why an event is likely, unlikely, certain or impossible</p>	<p>I can describe the outcome of an event as likely or unlikely</p> <p>I can identify some events as certain or impossible</p> <p>I can explain why an event is likely, unlikely, certain or impossible</p>	<p>I can conduct chance experiments</p> <p>I can identify and describe possible outcomes from chance experiments and recognise variation in the results</p>	<p>I can describe possible everyday events and order their chances of them occurring from 'least likely' to 'most likely'.</p> <p>I can identify everyday events where one cannot happen if the other happens</p> <p>I can identify events where the chance of one will not be affected by the occurrence of the other</p>	<p>I can recognise that probabilities range from 0 to 1</p> <p>I can list outcomes of chance experiments involving equally likely outcomes</p> <p>I can express the probability of the outcomes of simple chance experiments using fractions</p> <p>I can explain the term 'random'</p>	<p>I can describe the probabilities of fractions, decimals and percentages</p> <p>I can conduct chance experiments with both small and large numbers of trials</p> <p>I can predict likely outcomes of simple chance events and distinguish these from surprising results</p>	<p>I can explain and construct the sample space of an experiment</p> <p>I can explain theoretical probability</p> <p>I can explain experimental probability</p>
<p>Data (P-6)</p>	<p>I can answer a question that has only two possible answers</p> <p>I can use simple displays to represent responses to questions</p> <p>I can use a pictograph to identify more or less</p>	<p>I can ask simple questions to gather data that I need</p> <p>I can represent data in a pictograph</p> <p>I can describe pictographs by comparing data</p>	<p>I can create a question to gather categorical data</p> <p>I can use tally marks accurately to collect data</p> <p>I can record my results in a list, table and pictograph</p> <p>I can interpret the data from lists, tables and pictographs</p>	<p>I can plan for the collection of data</p> <p>I can collect data, organise into categories and create displays using column graphs</p> <p>I can interpret and compare data displays</p>	<p>I can create pictographs with a key</p> <p>I can trial different ways to collect data</p> <p>I can identify the best way to display data</p> <p>I can evaluate the effectiveness of different data displays</p>	<p>I can identify if data is numerical or categorical</p> <p>I can pose questions and collect categorical or numerical data</p> <p>I can construct displays, including column graphs, dot plots and tables depending on the data</p> <p>I can compare and interpret different data sets in context</p>	<p>I can construct, interpret and compare a range of data displays, including side-by-side column graphs for two categorical variables</p> <p>I can pose and refine questions to collect categorical or numerical data by observation or survey</p> <p>I can interpret secondary data presented in digital media and elsewhere</p>	<p>I can create a dot plot</p> <p>I can interpret a dot plot</p> <p>I can create a stem and leaf plot</p> <p>I can interpret a stem and leaf plot</p> <p>I can find the mean, median, mode and range of data</p> <p>I can compare the measures of centre when analysing data</p>

