



Hemlington Hall Academy

Maths Medium-Term Plan & Small Steps: Year 1

Autumn Term



	Place Value (10)	Addition & Subtraction (10)	Place Value (20)	Properties of Shape	Assessment
	5 weeks	5 weeks	3 weeks	1 week	1 week
National Curriculum	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Compare numbers using and = signs Read and write numbers from 1 to 20 in numerals and words 	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer) Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Represent and use number bonds and related subtraction facts within 20 Add and subtract 1-digit and 2-digit numbers to 20, including zero 	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Read & write numbers from 1 to 20 in numerals & words Given a number, identify 1 more and 1 less 	<ul style="list-style-type: none"> Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles]; 3-D shapes [for example, cuboids (including cubes), pyramids and spheres] 	<ul style="list-style-type: none"> Test to be made by Maths lead to match what has been taught – do not just use WR End of Term Tests Day 1 do arithmetic test Day 2 go over and unpick the arithmetic test with loads of discussion – this must be given proper time Days 3 do reasoning test Day 4 go over and unpick the reasoning test with loads of discussion – this must be given proper time
Small Steps	<ul style="list-style-type: none"> Sort objects Count objects Count objects from a larger group Represent objects Recognise numbers as words Count on from any number 1 more Count backwards within 10 1 less Compare groups by matching Fewer, more, same Less than, greater than, equal to Compare numbers Order objects and numbers The number line 	<ul style="list-style-type: none"> Introduce parts and wholes Part-whole model Write number sentences Fact families – addition facts Number bonds within 10 Systematic number bonds within 10 Number bonds to 10 Addition – add together Addition – add more Addition problems Find a part Subtraction – find a part Fact families – the eight facts Subtraction – take away/cross out (How many left?) Take away (How many left?) Subtraction on a number line Add or subtract 1 or 2 	<ul style="list-style-type: none"> Count within 20 Understand 10 Understand 11, 12 and 13 Understand 14, 15 and 16 Understand 17, 18 and 19 Understand 20 1 more and 1 less The number line to 20 Use a number line to 20 Estimate on a number line to 20 Compare numbers to 20 Order numbers to 20 	<ul style="list-style-type: none"> Recognise and name 3-D shapes Sort 3-D shapes Recognise and name 2-D shapes Sort 2-D shapes Patterns with 2-D and 3-D shapes 	
Enrichment		Lingfield Education Trust TTRS Competition (16-20.10.23) World Statistics Day (20.10.23)	WR Barvember (November)	Lingfield Education Trust TTRS Competition (11-15.12.23)	LET Christmas Problems & Puzzles



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Maths Medium-Term Plan Small Steps: Year 1

Spring Term



	Addition & Subtraction (20)	Place Value (50)	Measurement (length & height)	Measurement (mass & capacity)	Assessment
	3 weeks	2 weeks	3 weeks	3 weeks	1 week
National Curriculum	<ul style="list-style-type: none"> Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Add and subtract 1-digit and 2-digit numbers to 20, including zero Represent and use number bonds and related subtraction facts within 20 Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$ 	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Given a number, identify 1 more and 1 less 	<ul style="list-style-type: none"> Compare, describe and solve practical problems for: lengths and height; mass/weight; capacity and volume; time Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume; time 	<ul style="list-style-type: none"> Compare, describe and solve practical problems for: lengths and heights; mass/weight; capacity and volume; time Measure and begin to record the following: lengths and heights; mass/weights; capacity and volume; time 	<ul style="list-style-type: none"> Test to be made by Maths lead to match what has been taught – do not just use WR End of Term Tests Day 1 do arithmetic test Day 2 go over and unpick the arithmetic test with loads of discussion – this must be given proper time Days 3 do reasoning test Day 4 go over and unpick the reasoning test with loads of discussion – this must be given proper time
Small Steps	<ul style="list-style-type: none"> Add by counting on within 20 Add ones using number bonds Find and make number bonds to 20 Doubles Near doubles Subtract ones using number bonds Subtraction – counting back Subtraction – finding the difference Related facts Missing number problems 	<ul style="list-style-type: none"> Count from 20 to 50 20, 30, 40 and 50 Count by making groups of tens Groups of tens and ones Partition into tens and ones The number line to 50 Estimate on a number line to 50 1 more, 1 less 	<ul style="list-style-type: none"> Compare lengths and heights Step 2 Measure length using objects Step 3 Measure length in centimetres 	<ul style="list-style-type: none"> Heavier and lighter Measure mass Compare mass Full and empty Compare volume Measure capacity Compare capacity 	
Enrichment	International Puzzle Day (29.01.24)	NSPCC Number Day (02.02.24) Lingfield Education Trust TTRS Competition (05-09.02.24)	World Maths Day (23.03.24)	Lingfield Education Trust TTRS Competition (11-15.03.24)	LET Easter Problems & Puzzles



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Maths Medium-Term Plan Small Steps: Year 1

Summer Term



	Multiplication & Division	Fractions	Position & Direction	Place Value (100)	Money	Time	Assessment
	3 weeks	2 weeks	1 week	2 weeks	1 week	2 weeks	1 week
National Curriculum	<ul style="list-style-type: none"> Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Solve one-step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher 	<ul style="list-style-type: none"> Recognise, find and name a half as one of two equal parts of an object, shape or quantity Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity 	<ul style="list-style-type: none"> Describe position, direction and movement, including whole, half, quarter and three-quarter turns Use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside (non-statutory guidance) Practise counting (1, 2, 3...), ordering (for example, 1st, 2nd, 3rd ...) (non-statutory guidance) 	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least 	<ul style="list-style-type: none"> Recognise and know the value of different denominations of coins and notes Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s 	<ul style="list-style-type: none"> Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening) Recognise and use language relating to dates, including days of the week, weeks, months and years Compare, describe and solve practical problems for time Measure and begin to record time (hours, minutes, seconds) Tell the time to the hour and half past the hour and draw the hands on a clockface to show these times 	<ul style="list-style-type: none"> Test to be made by Maths lead to match what has been taught – do not just use WR End of Term Tests Day 1 do arithmetic test Day 2 go over and unpick the arithmetic test with loads of discussion – this must be given proper time Days 3 do reasoning test Day 4 go over and unpick the reasoning test with loads of discussion – this must be given proper time
Small Steps	<ul style="list-style-type: none"> Count in 2s Count in 10s Count in 5s Recognise equal groups Add equal groups Make arrays Make doubles Make equal groups – grouping Make equal groups – sharing 	<ul style="list-style-type: none"> Recognise a half of an object or a shape Find a half of an object or a shape Recognise a half of a quantity Find a half of a quantity Recognise a quarter of an object or a shape Find a quarter of an object or a shape Recognise a quarter of a quantity Find a quarter of a quantity 	<ul style="list-style-type: none"> Describe turns Describe position – left and right Describe position – forwards and backwards Describe position – above and below Ordinal numbers 	<ul style="list-style-type: none"> Count from 50 to 100 Tens to 100 Partition into tens and ones The number line to 100 1 more, 1 less Compare numbers with the same number of tens Compare any two numbers 	<ul style="list-style-type: none"> Unitising Recognise coins Recognise notes Count in coins 	<ul style="list-style-type: none"> Before and after Days of the week Months of the year Hours, minutes and seconds Tell the time to the hour Tell the time to the half hour 	
Enrichment		National Numeracy Day (15.05.24) Women in Maths Day (12.05.24)	Lingfield Education Trust TTRS Competition (20-24.05.24)	Alan Turing Day (23.06.24)	Lingfield Education Trust TTRS Competition (01-05.07.24)	Lingfield Education Trust maths Challenge (12.07.24)	LET Summer Problems & Puzzles