

Maths Medium Term Planning

Key Knowledge	
Number – number and place value	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens given a number, identify one more and one less 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 read and write numbers from 1 to 20 in numerals and words.
Number – addition and subtraction	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> 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 one-digit and two-digit numbers to 20, including zero solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$.
Number – multiplication and division	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> 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.
Number – fractions	<p>Pupils should be taught to:</p> <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.

<p>Measurement</p>	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> compare, describe and solve practical problems for: <ul style="list-style-type: none"> lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] mass/weight [for example, heavy/light, heavier than, lighter than] capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] time [for example, quicker, slower, earlier, later] measure and begin to record the following: <ul style="list-style-type: none"> lengths and heights mass/weight capacity and volume time (hours, minutes, seconds) recognise and know the value of different denominations of coins and notes 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 tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.
<p>Geometry</p>	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> 2-D shapes [for example, rectangles (including squares), circles and triangles] 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]. describe position, direction and movement, including whole, half, quarter and three quarter turns.

Year group 1	Number	Measure	Geometry	Statistics
Autumn 1	<p><u>Place value</u></p> <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 			
Autumn 2	<p><u>Addition and subtraction</u></p> <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 		<p><u>Shape</u></p> <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] 	

<p>Spring 1</p>	<p><u>Place value</u></p> <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 <p><u>Addition and subtraction</u></p> <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 			
<p>Spring 2</p>		<p><u>Length and height</u></p> <ul style="list-style-type: none"> compare, 		

		<p>describe and solve practical problems for:</p> <ul style="list-style-type: none"> • lengths and heights [for example, long/short, longer/shorter, tall/short, • double/half] <p><u>Weight and volume</u></p> <ul style="list-style-type: none"> • mass/weight [for example, heavy/light, heavier than, lighter than] • capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] • measure and begin to record the following: • lengths and heights mass/weight capacity and volume 		
<p>Summer 1</p>	<p><u>Multiplication and division</u></p> <ul style="list-style-type: none"> • 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. <p><u>Fractions</u></p> <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 	<p><u>Position and direction</u></p> <ul style="list-style-type: none"> • describe position, direction and movement, including whole, half, quarter and three quarter turns. 		

	<p>as one of four equal parts of an object, shape or quantity.</p>			
<p>Summer 2</p>	<p><u>Place value</u></p> <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: <ul style="list-style-type: none"> 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 	<p><u>Money</u></p> <ul style="list-style-type: none"> recognise and know the value of different denominations of coins and notes Time compare, describe and solve practical problems for: <ul style="list-style-type: none"> time [for example, quicker, slower, earlier, later] measure and begin to record the following: time (hours, minutes, seconds) 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 tell the time to the hour and half past the hour and draw the hands on a clock 		

		face to show these times.		
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GDS Opportunities	(See Teaching for Mastery - NECTM document)
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