MATHS LONG TERM PLAN – YEAR 1

Autumn 1	**Number and Place Value**		**Addition and Subtraction**		
	- 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: equal to, more than, less than (fewer), most, least - Read and write numbers from 1 to 20 in numerals and words		- 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		
Autumn 2	**Properties of Shape**	**Number and Place Value**	**Length and Height**	**Assessment**	**Time**
	- Recognise and name common 2D and 3D shapes [for example rectangles (including squares), circles and triangles; cuboids (including cubes), pyramids and spheres]	- 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: equal to, more than, less than (fewer), most, least - Read and write numbers from 1 to 20 in numerals and words	- Compare, describe and solve practical problems for lengths and heights [for example: long/short, longer/shorter, tall/short, double/half] - Measure and begin to record lengths and heights	- NTS Assessments - Investigations (Nrich, etc)	- Recognise and use language relating to dates, including days of the week, weeks, months and years - Compare, describe and solve practical problems for time [for example: quicker, slower, earlier, later] - Measure and begin to record time (hours, minutes, seconds) - Sequence events in chronological order using appropriate language

Spring 1	**Addition and Subtraction**		**Number and Place Value**	**Multiplication and Division**	
	- 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		- 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: equal to, more than, less than (fewer), most, least - Read and write numbers from 1 to 20 in numerals and words	- 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	
Spring 2	**Time**	**Fractions**	**Mass**	**Assessment**	**Properties of Shape**
	- Recognise and use language relating to dates, including days of the week, weeks, months and years - Compare, describe and solve practical problems for time [for example: quicker, slower, earlier, later] - Measure and begin to record time (hours, minutes, seconds) - Sequence events in chronological order using appropriate language - Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times	- 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	- Compare, describe and solve practical problems for mass/weight [for example: heavy/light, heavier than, lighter than] - Measure and begin to record mass/weight	- NTS Assessments - Investigations (Nrich, etc)	- Recognise and name common 2D and 3D shapes [for example rectangles (including squares), circles and triangles; cuboids (including cubes), pyramids and spheres]

Summer 1	**Number and Place Value**		**Volume**	**Addition and Subtraction**		**Position and Direction**
	- 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: equal to, more than, less than (fewer), most, least - Read and write numbers from 1 to 20 in numerals and words		- Compare, describe and solve practical problems for capacity and volume [for example: full/empty, more than, less than, half, half full, quarter] - Measure and begin to record capacity and volume	- 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		- Describe position, direction and movement, including whole, half, quarter and three-quarter turns
Summer 2	**Multiplication and Division**	**Time**	**Fractions**	**Properties of Shape**	**Assessment**	**Length, Mass and Volume**
	- 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	- Recognise and use language relating to dates, including days of the week, weeks, months and years - Compare, describe and solve practical problems for time [for example: quicker, slower, earlier, later] - Measure and begin to record time (hours, minutes, seconds) - Sequence events in chronological order using appropriate language - Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times	- 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	- Recognise and name common 2D and 3D shapes [for example rectangles (including squares), circles and triangles; cuboids (including cubes), pyramids and spheres]	- NTS Assessments - Investigations (Nrich, etc)	- Compare, describe and solve practical problems for lengths and heights - Measure and begin to record lengths and heights - Compare, describe and solve practical problems for mass/weight - Measure and begin to record mass/weight - Compare, describe and solve practical problems for capacity and volume - Measure and begin to record capacity and volume