MPPS - Year 6 Maths LTP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	**Number – place value** Numbers to 10 million, compare and order any number, round any number, negative numbers	**Number – four operations** Add and subtract integers, multiply up to 4-digit number by 2-digit number, short division, division using factors, long division up to 4-digit by 2-digit including with remainders and rounding, common factors and multiples, primes to 100, squares and cubes, order of operations, mental calculations and estimations, reason from known facts.			**Number – fractions** Simplify fractions, fractions on a number line, compare and order with denominator and numerator, add and subtract fractions with denominators that are and are not the same multiple, add and subtract mixed numbers	**Number – decimals** Three decimal places, multiply by 10, 100 and 1,000, divide by 10, 100 and 1,000, multiply decimals by integers, divide decimals by integers, division to solve problems, decimals as fractions, fractions to decimals	**Number – percentages** Fractions to percentages, equivalent FDP, order FDP, percentage of an amount, percentages – missing values
Autumn 2	**Number – algebra** Find a rule – one step, find a rule – two step, forming expressions, substitution, formulae, forming equations	**Number – fractions** Multiply fractions by integers and fractions, divide fractions by integers, four rules with fractions, fraction of an amount, fraction of an amount – find the whole.	**Number – ratio** Using ratio language, ratio and fractions, introducing the ratio symbol, calculating ratio,	**Measures – converting units** Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures	**Geometry – position and direction** The first quadrant, four quadrants, translations, reflections	**Geometry – Properties of shape** Measure with a protractor, introduce angles, calculate angles, vertically opposite angles, angles in a triangle – special cases and missing angles, angles in special quadrilaterals, angles in regular polygons,	**Statistics** Read and interpret line graphs, draw line graphs, use line graphs to solve problems, circles, read and interpret pie charts, pie charts with percentages, draw pie charts, the mean
Spring 1	**Number – place value** Solving problems using rounding, comparing, negative numbers	**Number – four operations** Solve multistep problems	**Number – FDP** Develop and practise Autumn's concepts	**Number – algebra** Solve simple one-step equations, solve two-step equations, find pairs of values, enumerate possibilities	**Number – ratio** Using scale factors, calculating scale factors, ratio and proportion problems	**Measures – perimeter, area, volume** Shapes – same area, area and perimeter Area of a triangles, area of	n/a

						parallelogram, volume – counting cubes, volume of a cuboid	
Spring 2	**Number – fractions, decimals and percentages** Solve problems involving fractions, decimals and percentages	**Geometry** Draw shapes accurately, draw nets of 3-D shapes	**Statistics** Solve problems involving mean, pie charts and line graphs	**Problem solving involving all areas covered - focus on specific topics that children have struggled with so far.**			n/a
Summer 1	Revision, application and problem solving			SATS		**n/a**	n/a
Summer 2	Investigations						n/a