

# Herne Junior School – Long Term Planning

## Subject: Maths YEAR 6



	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	<b>Number-Place Value</b> Nos to 10,000, 000 (Compare and order); Round any number accurately; Counting in 10s, 100s, Negative numbers in context, problem solving with above		<b>Number-all operations</b> Solve addition & subtraction probs. in context; long multiplication up to 4 x 2; Long division (4x2); short division with remainders in context; mental calculations; common factors, multiples, prime nos; problem solving; estimation		<b>Measurement-converting units</b> Calculation and conversion of units of measure, incl. decimals up to 3 DP. Convert bet miles and km		<b>Fractions</b> Simplify fractions; use common multiples to express fractions in same denomination; compare and order; add and subtract fractions with diff denominations; multiply proper fractions; divide proper fractions by whole numbers; calculate decimal equivalents; recall and use equivalences bet fractions, dec, %				<b>Geometry: angles /circles</b>	Consolidation
Spring	<b>Number-decimals</b> Identify value of digits up to 3DP; multiply by 10,100,1000; multiplying decimals by whole nos; written division up to 2DP; probs. involving rounding		<b>Number-percentages</b> Calculation of % of measures; % for comparison; equivalent fractions, decimals and %		<b>Algebra</b> Use simple formulae; Generate and describe linear no sequences; express missing no probs; find pairs of nos to satisfy an equation with 2 unknowns; possibilities of variables		<b>Position and Direction</b>	<b>Measurement-perimeter, area and volume</b> Calculate area & perimeter; formulae for area and volume; area of parallelograms and triangles; volume		<b>Number-ratio</b> Probs. with relative sixes-missing values found using mult & div; Shapes and scale factor; unequal sharing and grouping		Consolidation
Summer	<b>Geometry: properties of shapes</b> Draw 2D shapes using given dimensions/angles; Compare and classify 2D shapes; finding unknown angles; recognise angles (on straight line, opp, etc)		<b>Statistics</b> interpret & construct pie charts & line graphs & use these to solve problems; calculate mean average		<b>Investigations</b>  <i>NB – Maths may change order due to areas where children are struggling with most as we start revision for SATs in Spring term</i>						Consolidation	