

Hemswell Ciff Primary School Mastery Maths Medium Term Plan - Year 5 and Year 6

'Effective mastery curricula in mathematics are designed in relatively small carefully sequenced steps, which must each be mastered before pupils move to the next stage. Fundamental skills and knowledge are secured first. This often entails focusing on curriculum content in considerable depth at early stages.' (NCETM, 2014)

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn YEAR 5	(3 days) Number: Place value (1,000 to 1,000,000)	Number: Place value (power of 10, partitioning, number line)	Number: Place value (compare, order, round)	Number: Addition / subtraction (more than 4 digits)	Number: Addition / subtraction (inverse, missing nos)	Number: Multiplicatio n & division (multiple, factors)	Number: Multiplicatio n & division (prime, square, cube)	(4 days) Number: Multiplicatio n & division (by 10, 100, 1000)	Number: Fractions (equivalent)	Number: Fractions (convert, compare, order)	Number: Fractions (add)	Number: Fractions (subtract)	Consolidatio n	Consolidatio n
YEAR 6	Number: Place value (read & write nos to 10,000,000)	Number: Place value (compare, order, round, negative nos)	Number: Add/sub, mult / div (multiples, factors, divisibility rules)	Number: Add/sub, mult/div (prime, square, cube)	Number: Add/sub, mult/div (mult, short division)	Number: Add/sub, mult / div (long division)	Number: Add/sub, mult/div (reason, problems)	Number: Fractions (equivalent, simplify, compare, order)	Number: Fractions (add, sub inc mixed numbers)	Number: Fractions (multiply / divide by fraction /integer)	Number: Fractions (of an amount)	Measureme nt: Converting Time (metric, imperial, miles/km)	(Flexible week for test week)	
Spring YEAR 5	Number: Multiplicatio n & Division (multiply by 1 digit / 2 digit)	Number: Multiplicatio n & Division (mult problems, short division)	Number: Multiplicatio n & Division (remainders, efficient, mixed problems)	Number: Fractions (multiply by an integer)	Number: Fractions (of a quantity, amount, find whole, operators)	Number: Decimals & percentages (equivalent fractions & decimals, thousandths)	Number: Decimals & percentages (thousandths ,order /compare, round decimals)	Number: Decimals & percentages (percentages)	Measureme nt: Perimeter & Area	Measureme nt: Perimeter & Area	Statistics: (line graphs)	Statistics: (tables)		
YEAR 6	Number: Ratio	Number: Ratio	Number: Algebra	Number: Algebra	Number: Decimals (pv, add, sub, round)	Number: Decimals (multiply / divide by 10, 100, 1000 & integers)	Number: Fractions, decimals, percentages	Number: Fractions, decimals, percentages	Measureme nt: Area, perimeter, volume	Measureme nt: Area, perimeter, volume	Statistics: (line graphs, bar charts, pie)	Statistics: (pie charts, mean)		
Summer YEAR 5	(4 days) Geometry: Shape (draw, calculate angles)	Geometry: Shape (draw, calculate angles)	(4 days) Geometry: Shape (angles in shapes)	Geometry: Position & direction (coordinates, translation)	Geometry: Position & direction (translation, symmetry)	Number: Decimals (add / subtract)	Number: Decimals (add / subtract)	Number: Decimals (sequences, multiply / divide by 10, 100, 1000)	Number: Negative numbers	Measureme nt: Converting units (kg/km, mm/ml, length)	Measureme nt: Converting units (imperial / metric, time)	Measureme nt: Volume		
YEAR 6	Geometry: Shape (measure, classify, calculate angles)	Geometry: Shape (angles in triangles, quadrilateral , polygons)	Geometry: Shape (circles, draw shapes, 3D nets)	Geometry: Position & direction (quadrants, translations)	Themed projects, consolidation & problem solving									

Autumn 1 = 7 weeks, Autumn 2 = 8 weeks, Spring 1 = 6 weeks, Spring 2 = 6 weeks, Summer 1 = 5 weeks, Summer 2 = 7 weeks

