

Handsworth Primary School: Maths Overview

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number/Calculation □ Count to / across 100 □ Count in 1s, 2s, 5s and 10s □ Identify 'one more' and 'one less' □ Read & write numbers to 20 □ Use language, e.g. 'more than', 'most' □ Use +, - and = symbols □ Know number bonds to 20 □ add and subtract one-digit and two-digit numbers to 20, including zero □ Solve one-step problems, including simple arrays	Number/Calculation □ Know 2, 5, 10x tables □ Begin to use place value (T/U) □ Count in 2s, 3s, 5s & 10s □ Identify, represent & estimate numbers □ Compare / order numbers, inc. < > = □ Write numbers to 100 □ Know number facts to 20 (+ related to 100) □ Use x and ÷ symbols □ Recognise commutative property of multiplication	Number/Calculation □ Learn 3, 4 & 8x tables □ Secure place value to 100 □ Mentally add & subtract units, tens or hundreds to numbers of up to 3 digits □ Written column addition & subtraction □ Solve number problems, including multiplication & simple division and missing number problems □ Use commutatively to help calculations	Number/Calculation □ Know all tables to 12 x 12 □ Secure place value to 1000 □ Use negative whole numbers □ Round numbers to nearest 10, 100 or 1000 □ Use Roman numerals to 100 (C) □ Column addition & subtraction up to 4 digits □ Multiply & divide mentally □ Use standard short multiplication	Number/Calculation □ Secure place value to 1,000,000 □ Use negative whole numbers in context □ Use Roman numerals to 1000 (M) □ Use standard written methods for all four operations □ Confidently add & subtract mentally □ Use vocabulary of prime, factor & multiple □ Multiply & divide by powers of ten □ Use square and cube numbers	Number/Calculation □ Secure place value & rounding to 10,000,000, including negatives □ All written methods, including long division □ Use order of operations (not indices) □ Identify factors, multiples & primes □ Solve multi-step number problems Algebra □ Introduce simple use of unknowns
Geometry & Measures □ Use common vocabulary for comparison, e.g. heavier, taller, full, longest, quickest □ Begin to measure length, capacity, weight □ Recognise coins & notes □ Use time & ordering vocabulary □ Tell the time to	Geometry & Measures □ Know and use standard measures □ Read scales to nearest whole unit □ Use symbols for £ and p and add/subtract simple sums of less than £1 or in pounds □ Tell time to the nearest 5 minutes □ Identify & sort 2-d & 3-d shapes	Geometry & Measures □ Measure & calculate with metric measures □ Measure simple perimeter □ Add/subtract using money in context □ Use Roman numerals up to XII; tell time □ Calculate using simple time problems □ Draw 2-d / Make 3-d shapes	Geometry & Measures □ Compare 2-d shapes, including quadrilaterals & triangles □ Find area by counting squares □ Calculate rectangle perimeters □ Estimate & calculate measures □ Identify acute, obtuse & right angles □ Identify symmetry	Geometry & Measures □ Convert between different units □ Calculate perimeter of composite shapes & area of rectangles □ Estimate volume & capacity □ Identify 3-d shapes □ Measure & identify angles □ Understand regular polygons	Geometry & Measures □ Confidently use a range of measures & conversions □ Calculate area of triangles / parallelograms □ Use area & volume formulas □ Classify shapes by properties □ Know and use angle rules □ Translate & reflect

hour/half-hour □ Use language of days, weeks, months & years □ Recognise & name common 2-d and 3-d shapes □ Order & arrange objects □ Describe position & movement, including half and quarter turns	□ Identify 2-d shapes on 3-d surfaces □ Order and arrange mathematical objects □ Use terminology of position & movement	□ Identify and use right angles □ Identify horizontal, vertical, perpendicular and parallel lines	□ Use first quadrant coordinates □ Introduce simple translations	Reflect & translate shapes	shapes, using all four quadrants
Fractions □ Recognise & use $\frac{1}{2}$ & $\frac{1}{4}$	Fractions □ Find and write simple fractions □ Understand equivalence of e.g. $\frac{2}{4} = \frac{1}{2}$	Fractions & decimals □ Use & count in tenths □ Recognise, find & write fractions □ Recognise some equivalent fractions □ Add/subtract fractions up to <1 □ Order fractions with common denominator	Fractions & decimals □ Recognise tenths & hundredths □ Identify equivalent fractions □ Add & subtract fractions with common denominators □ Recognise common equivalents □ Round decimals to whole numbers □ Solve money problems	Fractions □ Compare & order fractions □ Add & subtract fractions with common denominators, with mixed numbers □ Multiply fractions by units □ Write decimals as fractions □ Order & round decimal numbers □ Link percentages to fractions & decimals	Fractions, decimals & percentages □ Compare & simplify fractions □ Use equivalents to add fractions □ Multiply simple fractions □ Divide fractions by whole numbers □ Solve problems using decimals & percentages □ Use written division up to 2dp □ Introduce ratio & proportion
	Data □ Interpret simple tables & pictograms □ Ask & answer comparison questions □ Ask & answer questions about totalling	Data □ Interpret bar charts & pictograms	Data □ Use bar charts, pictograms & line graphs	Data □ Interpret tables & line graphs □ Solve questions about line graphs	Data □ Use pie charts □ Calculate mean averages