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Mathematics Curriculum Map 2023 - 2024

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS Reception Panda	Numbers and place value. Numbers to 5. Addition and subtraction sorting. Number and place value. Comparing groups. Addition and subtraction. Change within 5. Measurement. Time. (Taken from White Rose) Ten Town 1-10 Number blocks 1 – 10		Addition and subtraction. Numbers to 5. Numbers and place value. Numbers to 10. Addition and subtraction. Addition to 10. Geometry. Shape and space. (Taken from White Rose) Ten Town 10 – 15 Number blocks 10 – 15 Real life problems		Geometry. Exploring patterns. Addition and subtraction. Counting on and back. Number and place value. Numbers to 20. Multiplication and division. Numerical patterns. Measurement. Measure. (Taken from White Rose) Ten Town 15 – 20 Number blocks 11 – 20 Can add and subtract two single digit numbers and count on or back to find the answer.	
Year 1 Elephant	Number and Place value (sort and count objects; represent objects; count forwards and backwards; count one more and one less; one-one correspondence; compare objects; inequality signs; compare numbers; order objects and numbers; ordinal numbers; the number line). **Number – addition and subtraction** (part-whole model; addition symbol; fact families; number bonds to 10; systematic number bonds; compare number bonds; add	Addition and subtraction – this topic might span across two terms. Shape (recognize and name 3D shapes; sort 3D shapes; recognize and name 2D shapes; sort 2D shapes; patterns with 3D and 2D shapes). Number and Place value – up to 20 (count and write numbers to 20; numbers from 11 to 20; tens and ones; count one more and one less; compare groups of objects; compare numbers; order groups of objects and numbers).	**Number – addition and subtraction within 20** (add by counting on; find and make number bonds; add by making 10; subtraction, not crossing 10; related facts; compare number sentences). Number and Place value – within 50 (numbers to 50; tens and ones; represent numbers to 50; one more one less; compare and order objects/ numbers within 50; count in 2s and 5s).	Number and Place value within 50 – this topic will span across two terms. **Measurement: length and height** (compare lengths and heights; measure lengths). **Measurement: mass and volume** (introduce weight and mass; measure mass; compare mass; introduce capacity and volume; measure and compare capacity).	Multiplication and division (count in 10s; making equal groups; add equal groups; making arrays; making doubles; making equal groups; sharing equally). **Fractions** (find a half; find a quarter). **Position and direction** (describe turns and position).	Number and Place value up to 100 (counting to 100; partitioning numbers; comparing numbers; ordering numbers; one more, one less). **Money** (recognising coins and notes; counting in coins). **Time** (before and after; dates; time to the hour; time to the half hour; writing time; comparing time).

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	together; add more; finding a part; how many left?; subtraction; count back; find the difference; compare statements).					
Year 2 Giraffe	Number and Place value (count objects to 100; represent numbers to 100; tens and ones; place value charts, compare objects; compare numbers; order objects and numbers; count in 2s, 5s and 10s; count in 3s). Addition and subtraction (fact families to 20; checking calculations; compare number sentences; related facts; bonds to 100; add and subtract 1s; 10 more and 10 less; add and subtract tens; add 2-digits and 1-digit; subtract 1-digit from 2-digits; add 2-digit numbers; subtract with 2-digits; add three 1-digit numbers).	Shape (recognise 2D and 3D shapes; count sides and vertices of 2D shapes; draw 2D shapes; line of symmetry; sort 2D shapes; make patterns; count faces, edges and vertices on 3D shapes; sort 3D shapes; make patterns with 3D shapes). Place value/addition and subtraction – recap of key concepts.	Multiplication and division (recognise equal groups; make equal groups; add equal groups; the multiplication symbol; multiplication from pictures; use arrays; the 2-, 5- and 10-times tables). Money (count money – notes and coins; select money; make the same amount; compare money; find the total; find the difference; find change; two-step problems).	Measurement – mass/capacity and temperature (compare and measure mass in g and kg; compare volume; millilitres; litres; temperature). Length and height (measure in cm; measure in metres; compare lengths and heights; order lengths and heights; four operations with lengths and heights).	Fractions (make equal parts; recognise a half; find a half; recognise a quarter; find a quarter; recognise a third; find a third; unit fractions; non-unit fractions; equivalence of □ and 2/4; find three quarters; count in fractions). Time (o'clock and half past; quarter past and quarter to; telling time to 5 minutes; find durations of time; compare durations of time).	Statistics (make tally charts; draw and interpret pictograms; block diagrams). Position and direction (describing movement; describing turns; describing movement and turns; making patterns with shapes). **Revision of key areas throughout the White Rose scheme.**

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Year 3 **Lion**	Number and place value (hundreds; represent numbers to 1000; 100s, 10s and 1s; number line to 1000; find 1, 10, 100 more or less than a given number; compare objects and numbers to 1000; order numbers; count in 50s). Addition and subtraction (add and subtract multiples of 100; adding and subtracting 3-digit and 1-digit numbers; adding and subtracting 3-digit and 2-digit numbers; add and subtract 100s; pattern spotting; add and subtracting two 3-digit numbers; estimate and check answers).	Multiplication and division (equal groups; multiply and divide by 3; multiply and divide by 4; multiply and divide by 8).	Multiplication and division (comparing statements; related calculations; multiply and divide 2- and 1-digit numbers; scaling; how many ways?). Length and perimeter (measure lengths; equivalent lengths – m and cm; equivalent lengths – cm and mm; compare, add and subtract lengths; measure and calculate perimeter).	Fractions (unit and non-unit fractions; making the whole; tenths; count in tenths; tenths as decimals; fractions on a number line; fractions of an amount). Measurement – mass and capacity (measure mass; compare mass; add and subtract mass; measure and compare capacities; add and subtract capacities). Consolidation of key concepts from Autumn and Spring Term.	Fractions (add fractions; subtract fractions; partition the whole; unit and non-unit fractions of a set of objects; reasoning with fractions of an amount). Measurement: money (pounds and pence; convert pounds and pence; add and subtract money; give change). Time (Roman numerals to 12; tell the time to 5 minutes; tell the time to the minute; read time on a digital clock; use a.m. and p.m.; years, months and days; days and hours; hours and minutes; minutes and seconds; units of time).	Statistics (pictograms; bar charts; tables). Properties of shape (turns and angles, right angles in shapes; compare angles; draw accurately; horizontal and vertical; parallel and perpendicular; 2D shapes; 3D shapes; construct 3D shapes). Assess and review
Year 4 **Koala**	Number and place value (Roman numerals to 100; round to the nearest 10 and 100; count in 1000s; 10000s, 100s, 10s and 1s; partitioning; number line to 10000; 1000 more or less; compare 4-digit numbers; order	**Measurement – area** (what is area? counting squares; making shapes; comparing area). **Multiplication and division** (multiply by 10 and 100; divide by 10 and 100; multiply by 1	**Multiplication and division** (11 and 12 times tables; multiply 3 numbers; factor pairs; efficient multiplication; written methods; multiply 2-digit and 1-digit numbers;	**Fractions** (what is a fraction? equivalent fractions; fractions greater than 1; counting in fractions; add 2 or more fractions; subtract 2 fractions; subtract	**Decimals** (make a whole; write decimals; compare decimals; order decimals; round decimals; halves and quarters). **Money** (pounds and pence; ordering and	**Statistics** (interpret charts; comparison, sum and difference; line graphs). **Position and Direction** (describe position; draw on a grid; move on a

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	numbers; round to the nearest 1000; count in 25s; negative numbers). **Addition and subtraction** (1s, 10s, 100s and 1000s; add and subtract two 4-digit numbers; efficient subtraction; estimate answers; checking strategies).	and 0; divide by 1; 6, 7 and 9 times-tables).	multiply 3-digit and 1-digit numbers; divide 2-digits by 1-digit; divide 3-digits by 1-digit; correspondence questions). **Length and perimeter** (kilometres; perimeter on a grid; perimeter of a rectangle; perimeter of a rectilinear shape).	from whole amounts; calculate fractions of a quantity; problem solving – calculate quantities). **Decimals** (recognise tenths and hundredths; tenths as decimals; tenths on a place value grid and a number line; divide 1 digit by 10 and 2 digits by 10; hundredths; hundredths as decimals; divide 1 or 2-digits by 100).	estimating money; four operations). **Time** (hours, minutes and seconds; years, months, weeks and days; analogue to digital 12 and 24 hour).	grid; describe a movement).
Year 5 Tiger	**Number and place value** (numbers to 10000; Roman Numerals to 1000; round to nearest 10, 100 and 1000; numbers to 100000; compare and order large numbers; numbers to a million; negative numbers). **Addition and subtraction** (add and subtract whole numbers with more than 4 digits; round	**Multiplication and division** (multiply 4 by 1-digit numbers; multiply 2-digit by 2-digit numbers; multiply 4- by 2-digit numbers; divide 4-digits by 1-digit numbers; divide with remainders). **Fractions** (equivalent fractions; improper to mixed numbers and vice versa; number sequences;	**Multiplication and division** (multiples; factors; common factors; prime numbers; square and cube numbers; multiply and divide by 10, 100 and 1000; multiples of 10, 100 and 1000). **Fractions** (multiply unit fractions by an integer; multiply mixed numbers by integers; fraction of an amount; using	**Decimals and percentages** (decimals up to 2d.p; decimals as fractions; understand thousandths; rounding decimals; order and compare decimals; understand percentages; percentages as fractions and decimals; equivalent F.D.P).	**Decimals** (adding and subtracting decimals within 1; complements to 1; adding and subtracting wholes and decimals; decimal sequences; multiplying and dividing decimals by 10, 100 and 1000). **Position and direction** (position in the first quadrant;	**Volume** (what is volume? compare volume; estimate volume and capacity). **Converting units** (kilograms and kilometres; milligrams and millilitres; metric and imperial units; converting units of time; timetables). **Negative numbers** (understand negative numbers; count through zero

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	to estimate and approximate; inverse operations; multi-step problem solving).	compare and order fractions; add and subtract fractions; add mixed numbers; subtract fractions and mixed numbers; subtract by breaking the whole).	fractions as operators).	**Statistics** (read and interpret line graphs; draw line graphs; read and interpret tables; two-way tables; timetables). **Perimeter and area** (measure and calculate perimeter; area of rectangles; area of compound shapes; area of irregular shapes).	reflection; translation). **Geometry: properties of shape** (measuring angles in degrees; measuring with a protractor; draw lines and angles accurately; calculating angles on a straight line and around a point; calculating angles and lengths in shapes; regular and irregular polygons; reasoning about 3D shapes).	in 1s; count through zero in multiples; compare and order negative numbers; find the difference). **Recapping of key concepts, particularly four operations.**
Year 6 Zebra (subject to change due to SATs revision)	**Number and place value** (numbers to ten million; compare and order any number; round any number; negative numbers). **Four operations** (add and subtract integers; multiply 4-digit by 2-digit numbers; short division; division using factors; common factors;	**Fractions** (simplify fractions; fractions on a number line; compare and order; add and subtract fractions; mixed addition and subtraction; multiply fractions by integers; multiply fractions by fractions; divide fractions by integers; four rules with fractions;	**Decimals** (three d.p; multiply and divide by 10, 100 and 1000; multiply and divide decimals by integers; division to solve problems; decimals as fractions; fractions to decimals). **Ratio** (using ratio language; ratio and fractions; ratio symbol; calculating ratio; using and	**Perimeter, area and volume** (shapes – same area; area and perimeter; area of a triangle; area of parallelogram; volume – counting cubes; volume of a cuboid). **Statistics** (read and interpret line graphs; use line graphs to solve problems; circles;	**Properties of shape** (measure with a protractor; introduce and calculate angles; vertically opposite angles; angles in a triangle; angles in special quadrilaterals; angles in regular polygons; draw shapes accurately; draw nets of 3D shapes).	**Teaching of any concepts that need re-visiting.**

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	common multiples; primes to 100; squares and cubes; order of operations; mental calculations and estimation; reason from known facts).	fraction of an amount; fraction of an amount – find the whole). **Converting units** (metric measures; convert metric measures; calculate with metric measures; miles and kilometres; imperial measures).	calculating scale factors; ratio and proportion problems). **Algebra** (find a rule – one and two step; forming expressions; substitution; formulae; forming equations; solving one and two step equations; find pairs of values; enumerate possibilities).	read and interpret pie charts; pie charts with percentages; draw pie charts; find the mean). **Percentages** (fractions to percentages; equivalent FDP; order FDP; percentage of an amount; percentages – missing values).	**Position and direction** (the first quadrant; four quadrants; translations; reflections). **Teaching of any concepts that need re-visiting.**	