Tanfield Lea Community Primary School - Maths Long Term Plan—Year 5—Autumn

Key Skills	CATCH UP	CATCH UP	ARITHME-TIC	REVISIT Y4 Shape	CATCH UP	CATCH UP	ARITHME-TIC	REVIST Place Value	CATCH UP	CATCH UP	ARITHME-TIC	REVISIT Statistics time	CATCH UP	CATCH UP	ARITHME-TIC
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Number: Place Value			Number: Addition & Subtraction		Statistics		Assessment	Number: Multiplication and Division		Measures: Perimeter and Area			Residential	Consolidate
	Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit

Count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000 | Round any number up to 1,000,000 to the nearest 10,100,1000, 10000 and 100000 | Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0

Solve number and practical problems that involve all of the above | Add and subtract whole numbers with more than 4 digits, including using formal written methods

Add and subtract numbers mentally with increasingly large numbers | Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why | Solve comparison, sum and difference problems using information presented in a line graph

Complete, read and interpret information in tables | Review telling the time / calculating with time (not a Y5 objective)

Complete, read and interpret information in tables (including timetables) | Time allocate for assessment.

May occur at a different time of the term as indicated. | Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers

Know and use the vocabulary of prime numbers, prime factors and composite numbers

Establish whether a number is prime and recall prime numbers up to 19 | Recognise and use square numbers and cube numbers, and the notation for squared and cubed

Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes

Multiply and divide whole numbers by 10, 100 and 1000 | Measure and calculate the perimeter of composite rectilinear shapes in cm and m

Solve problems involving multiplication and division, including scaling (shapes) | Calculate and compare the area of rectangles (including squares) including using standard union, square cm and square m. | Calculate and compare the are a of rectangles and estimate the area of irregular shapes | Children in Year 5will have the opportunity to spend one week as part of a residential visit.

During this time, children who do not wish to take part in the residential will consolidate key arithmetic skills. | This time will be used to consolidate and revisit skills that the children needed more time with.

The learning objectives will be determined by the mathematical area covered.

Further time could be spend at any point during the half-term. |

Tanfield Lea Community Primary School - Maths Long Term Plan - Year 5 - Spring

Key Skills	Revisit Shape area/ perim	CATCH UP	CATCH UP	ARITHME-TIC	Revisit Long Multi-plication	CATCH UP	CATCH UP	ARITHME-TIC	REVIST Equivalent and mixed fractions	CATCH UP	CATCH UP	ARITHME-TIC
	1	2	3	4	5	6	7	8	9	10	11	12
	Number: Multiplication & Division				Number: Fractions					Number: Decimals and Percentages		Assess-ment
	Multiply numbers up to 4-digits by a one- or-two-digit number using a formal written method, including long multi-plication for two-digit numbers	Divide numbers up to 4 digits by a one or two digit number using a formal written method of short division

Multiply and divide mentally, drawing upon known facts | Divide numbers up to 4 digits by a one or two digit number using a formal written method of short division **and interpret remainders appropriately for the context**

Solve problem involving addition, subtraction, multiplication and division and a combination of these | Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths

Compare and order fraction whose denominators are all multiples of the same number | To find fraction of amounts (objective revisited from previous year groups)

Recognise mixed numbers and improper fractions and convert from one form to the other | Add and subtract fraction with the same denominator and denominators that are multiples of the same number

Write mathematical statements > 1 as a mixed number | Consolidate Add and Subtract Fractions (see previous week(

Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams | Continue to multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams | **Read, write**, order and compare numbers with up to 2 d.p.

Read and write decimal numbers as fractions

Recognise and use thousandth and relate them to tenths, hundredth and decimal equivalents | Round decimals with 2d.p to the nearest whole number and to 1 dp

Read, write, **order and compare** numbers with up to 2 d.p.

Recognise the % symbol and understand that per cent means 'number of parts per hundred' | Write percentage as a fraction with denominated 100, and as a decimal fraction

Solve problems which require knowing percentage and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and those fractions with a denominated of a multiple of 10 or 25

Solve problems involving multiplication and division, including scaling (fractions / percentages) | Time allocate for assessment.

May occur at a different time of the term as indicated. |

Tanfield Lea Community Primary School - Maths Long Term Plan—Year 5 - Summer

Key Skills	REVIST Multiply proper/mixed fractions	CATCH UP	CATCH UP	ARITHMETIC	REVISIT FDP equivalents	CATCH UP	CATCH UP	ARITHME-TIC	REVISIT Shape—angles	CATCH UP	CATCH UP	REVISIT Measure Converting units
	1	2	3	4	5	6	7	8	9	10	11	12
	Number: Decimals		Geometry: Properties of Shape Including Angles			Geometry: Position & Direction	Measures: Converting units			Measure: Volume	Number: Place Value	Assessment
	Adding and subtracting decimals (not Y5 objective) Solve problems involving number up to 3 dp	Using all four operations to solve problems involving measure using decimal notation Multiply and divide numbers involving decimals by 10,100 and 1000	Know angles are measured in degrees : estimate and compare acute, obtuse and reflex angles Identify other multiples of 90 degrees Draw given angles and measure them in degrees	Identify -angles at a point and 1 whole turn Angles at a point on a straight line and half a turn	Identify 3D shapes, including cubes and other cuboids, from 2D representations Use properties of rectangles to deduce related facts and find missing lengths and angles Distinguish between regular and irregular polygons based on reasoning about equal sides and angles	Identify describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed	Understand and use approximate equivalences between metric and common imperial units	Convert between different units of metric measure	Solve problems involving converting between units of time	Estimate volume and capacity	Read Roman Numerals to 1,000 and recognise years written in Roman Numerals	Time allocate for assessment. May occur at a different time of the term as indicated.