## Year 5 Mastery Overview Term by Term



In conjunction with....



Based on Materials from...



## **Year 5 Overview**

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Aufumn	Number – Place Value		Number – Addition and Subtraction			Number – Multiplication and Division			n and	Measures- Area and Perimeter		
Spring	Number- Place value- including decimals.			er- Four ations		Fractions, percentages and ecimal equivalence.			Geometr y- Angles			
Summer	Geometry- Fracti Shapes and Perce		oer- ions	Number- Propertie number	s of	Geom etry- Positio n and Directi on	Measure Length, Capacity Volume.	Mass, / and	Measures- Area and Perimeter.	Consolidation		







## **Covered throughout all units**

Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.

## **Covered through cross curricular work.**

Read Roman numerals to 1000 (M) and recognize years written in Roman numerals.

Solve comparison, sum and difference problems using information presented in a line graph.

Complete, read and interpret information in tables including timetables.







Year group	5	Term	Autumn	
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Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
at least 10000 each digit.  Count forward powers of 10 f 1000000.  Interpret negation count forward and negative withrough zero.  Round any numer series in the series in	der and compa	in steps of mber up to context, s with positive including	Add and subtrincreasingly land Add and subtrincreasingly land Add and subtrincreasing the subtriance of the subtriance o	tion and subtract numbers in act numbers.  Tact whole num ligits, including ods (columnar and subtraction ontexts deciding dimethods to units and subtraction dimethods and subtraction dimethods dimethods and subtraction dimethods and subtraction dimethods	nentally with nbers with using formal addition and on multi-step	Multiply and known facts.  Multiply and Multiply num number using appropriate.  Divide number digit number appropriate appropriate appropriately Recognise and the notate solve problem including using squares and constitutions.	divide numbers divide numbers divide whole numbers up to 4 digit as formal writter as up to 4 digit using the formation for the context duse square nution for squared their knowled tubes.	s mentally draw umbers by 10, 2 gits by a one or en method who all written method eremainders to all tiplication and dige of factors and a combination and subtand a combination a combination and subtand a combination and subtand a combination and subtand a combination and subta	two digit en  tor two hod where  to e numbers  (3) d division and multiples,  raction, on of these,	of rectangles (in and including units, cm <sup>2</sup> ,m <sup>2</sup> of irregular shade)  Develop and use find the area of	alculate the imposite des in cm and ompare the area including squares), sing standard estimate the area pes.  The the formula to frectangles res) and explain







Year group	5	Term	Spring
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Week 1 Week 2 Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Number: Place Value and Decimals Read, write, order and compare numbers with up to three decimal places.  Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.  Round decimals with two decimal places to the nearest whole number and to one decimal place.  Solve problems involving number up to three decimal places.  Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.  Read and write decimal numbers as fractions [ for example 0.71= 71/100]  Use all four operations to solve problems involving measure [ for example, length, mass, volume, money] using decimal notation, including scaling.	Add and subtract numbers mentally increasingly large numbers.  Add and subtract whole numbers wirthan 4 digits, including using formal methods (columnar addition and subtract whole numbers up to 4 digits by a or or two digit number using the formal method where appropriate and interemainders appropriately for the corsolve problems involving multiplicated division including using their knowle factors and multiples, squares and consultations.  Solve problems involving addition a subtraction, multiplication and division a combination of these, including understanding the use of the equals.	th more written otraction) ne digit I written erpret the ntext. ion and dge of ubes. ind sion and	Compare and order same number.  Identify, name and represented visuall Recognise mixed number.  Add and subtract fr denominators that Multiply proper fra supported by mate  Solve problems invofractions of number problems involving some Recognize the percomposite to 'number of parts with denominator:  Solve problems whe equivalent of fractions of fractions where the problems where the proble	write equivalent fracty including tenths and improper and improper actions with the same are multiples of the sections and mixed nurrials and diagrams.  Iving multiplication a and quantities, scaling imple rates.  Seent symbol (%) and use a per hundred', and we see the symbol including the section of the	r fractions and convectal statements >1 as a seed enominator and same number.  The denominator and same numbers by whole numbers by whole numbers by simple fractions and that per continuous as a seed to be see	oles of the  ion,  rt from one a mixed  bers,  calculating and  cent relates a fraction	Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.  Draw given angles, and measure them in degrees (°)  Identify: angles at a point and one whole turn (total 360°), angles at a point on a straight line and ½ a turn (total 180°) and other multiples of 90°







Year group 5	Term	Summer	
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Week 1 Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	Number- Fraction Percentages.  Identify, name an write equivalent fractions of a give fraction, represent visually including tenths and hundredths.  Recognize the persymbol (%) and unthat per cent relations of parts hundred', and write percentages as a with denominator as a decimal.  Solve problems involving rates.	n ted  cent nderstand tes to per ite fraction r 100, and  volving division, ng fractions of ities, scaling s and	Number- Proper Number  Identify multiple of any given num Know and use the vocabulary of proper numbers, prime composite (non-numbers).  Establish wheth up to 100 is prime numbers.  Identify pattern between number special classes of example square composite numbers.	es and factors mber.  he rime e factors and -prime)  ner a number me and recall up to 19 s and links ers, and of number- for e numbers,	Geometry- Position and Direction 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.  Convert between different units of metric measure (for example, km and m; cm and mm; g and kg; l and ml)  Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pintswhen conversion graph or formula is given.	.Measures- Le Capacity and N Estimate volur example using to build cuboic cubes)] and ca example, using Use all four op solve problem measure Solve problem converting bef of time.8888888 6777667	me [for state of the state of t	Measures Area and Perimeter.  Calculate and compare the area of rectangles (including squares), and including using standard units, cm², m² estimate the area of irregular shapes.  Develop and use the formula to find the area of rectangles (including squares) and explain how this is derived.  Find the area and perimeter of composite shapes.	Time at the be end of the terr consolidation, gap filling, sea assessments, e	n for sonal activities,









