

YEAR 5/6 MATHS MEDIUM TERM PLAN



	Weeks 1 - 3	Week 4	Week 5-6	Weeks 7-10	Weeks 11-12
	Place Value	Addition, subtraction,	Multiplication and Division	Fractions	Multiplication and Division
Autumn term	Roman numerals to 1,000 Numbers to 100,000 Numbers to 1,000,000 Read and write numbers to 1,000,000 Numbers to 10,000,000 Read and write numbers to 10,000,000 Powers of 10 Partition numbers to 10,000,000 Number line to 10,000,000 Compare and order any integers Round within 100,000 Round any integer Count through zero Compare and order negative numbers Negative numbers	Mental Strategies for addition and subtraction Adding integers Subtracting integers Inverse operations and missing numbers Reason from known facts	Multiples Common Multiples Factors Common Factors Rules of Divisibility Prime Numbers Square and Cube Numbers Multiply by 10, 100 and 1,000 Divide by 10, 100, 1,000	Recognise equivalent fractions Equivalent fractions and simplifying Equivalent fractions on a number line Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Compare fractions (denominator) Compare fractions (numerator) Order fractions Add and subtract fractions with the same denominator Add fractions where one denominator is a multiple of the other Add any two fractions Add mixed numbers Subtract fractions where one denominator is a multiple of the other Subtract any two fractions Subtract from a mixed number Subtract from a mixed number – breaking the whole Subtract two mixed numbers	Multiply a 2-digit number by a 2-digit number Multiply up to a 4-digit number by a 2-digit number Solve problems with multiplication Short division Divide a 4-digit number by a 1-digit number Division using factors Introduction to long division Long division with remainders Solve problems with division Efficient division Solve multi-step problems Order of operations Mental calculations and estimation

YEAR 5/6 MATHS MEDIUM TERM PLAN



	Weeks 1-2	Week 3	Weeks 4-5	Weeks 6-7	Weeks 8-9	Weeks 10 - 12
	Fractions B	Decimals A	Area, Perimeter and Volume	Decimals B	Fractions Decimals and Percentages	Measures
Spring term	Multiply a unit fraction by an integer Multiply a non-unit fraction by an integer Multiply a mixed number by an integer Multiply fractions by fractions Divide a fraction by an integer Divide any fraction by an integer Fraction of an amount Fraction of an amount - find the whole	Decimals up to 3 places Place value – integers and decimals Order and compare decimals up to 3DP. Round to the nearest whole number Round to 1 decimal place Round to 2 decimal places	Perimeter of rectangles and rectilinear shapes Area of rectangles Area of compound shapes Estimate area Area of triangles Area of parallelograms Volume - cubic centimetres Volume of a cuboid Compare volume Estimate volume and capacity	Use known facts to add and subtract decimals within 1 Complements to 1 Add and subtract decimals across 1 Add decimals with the same number of d.p. Subtract decimals with the same number of d.p. Add decimals with different numbers of d.p. Subtract decimals with different numbers of d.p. Efficient strategies Decimal sequences Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply decimals by integers Divide decimals by integers	Equivalent fractions and decimals - tenths Equivalent fractions and decimals - hundredths Equivalent fractions and decimals - thousandths Fractions as division Understand percentages Percentages as fractions Percentages as decimals Equivalent F, D, P Order F, D, P Percentages of an amount	Kilograms and kilometres Millimetres and millilitres Convert units of length Miles and kilometres Imperial measures Convert units of time Calculate with timetables



	Week 1-2	Week 3	Week 4	Weeks 5-7	Week 8	Week 9-10	Weeks 11-12
Summer term	Shape	Position and Direction	SATs Week	Statistics	Ratio	Algebra	Consolidation
	Understand and use degrees Classify angles (include estimate) Measure angles (include estimate) Calculate angles around a point Calculate angles on a straight line Vertically opposite angles Angles in a triangle (include missing angles) Angles in a triangle – special cases (include missing angles) Angles in quadrilaterals Regular polygons Irregular polygons Circles Draw shapes 3-D shapes	The first quadrant Four quadrants Solve problems with coordinates Translations Lines of symmetry Reflections		Draw line graphs Read and interpret line graphs Bar charts Read and interpret tables Read and interpret timetables Read and interpret pie charts Pie charts with percentages Draw pie charts The mean	Use ratio language Ratio and fractions Use scale factors Similar shapes Ratio problems Proportion problems	Function machines Form expressions Substitution Formulae Form equations Solve equations Find pairs of values Solve problems with two unknowns	Based on PiXL outcomes
Daily Arithmetic sessions consolidates all units covered through calculation.							
Additional maths lessons for statistics, ratio and algebra will be scheduled in for Y6 pupils during the Spring Term to ensure coverage is sufficient before SATs.							