Year 6 Mathematics Curriculum

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Number: Addition, Subtraction, Multiplication, Division Add and subtract whole numbers Multiply up to a 4-digit number by 1-digit Short division Division using factors Long division (1) Long division (2) Long division (3) Long division (4) Common factors Common multiples Primes Squares and cubes Order of operations Mental calculations and estimation Reason from known facts **Number: Fractions**	**Geometry: Position and Direction** The first quadrant Four quadrants Translations Reflections **Number: Decimals** Three decimal places Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply decimals by integers Divide decimals by integers Division to solve problems Decimals as fractions	**Number: Algebra** Solve simple one step equations Solve two step equations Find pairs of values Enumerate possibilities **Measurement: Converting Units** Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures **Measurement: Perimeter, Area and Volume** Shapes – same area Area and perimeter	**Number: Ratio** Using ratio language Ratio and fractions Introducing the ratio symbol Calculating ratio Using scale factors Calculating scale factors Ratio and proportion problems **Statistics** Read and interpret line graphs Draw line graphs Use line graphs to solve problems Circles Read and interpret pie charts	**Geometry: Properties of Shape** Measure with a protractor Introduce angles Calculate angles Vertically opposite angles Angles in a triangle Angles in a triangle – special cases Angles in a triangle – missing angles Angles in special quadrilaterals Angles in regular polygons Draw shapes accurately Nets of 3D shapes **Problem Solving** **SATs**	**Investigations** Being Year 7 Ready Programme

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Simplify fractions Fractions on a number line Compare and order (denominator) Compare and order (numerator) Add and subtract fractions Add fractions Subtract fractions Mixed addition and subtraction Multiply fractions by integers Multiply fractions by fractions Divide fractions by integers Four rules with fractions Fraction of an amount Fraction of an amount – find the whole	Fractions to decimals **Number: Percentages** Fractions to percentages Equivalent FDP Percentage of an amount Percentages – missing values Percentage increase and decrease Order FDP **Number: Algebra** Find a rule – one step Find a rule – two step Use an algebraic rule Substitution Formulae Word Problems	Area of a triangle Area of a parallelogram Volume – counting cubes Volume of a cuboid	Pie charts with percentages Draw pie charts The mean		
Knowledge Review Topics Numbers to ten million Compare and order any number Round any number Negative numbers Roman numerals Prime, square, cubed numbers					