YEAR 6

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	**Number: Place Value** • Numbers to 1,000,000 • Numbers to 10,000,000 • Read and write numbers to 10,000,000 • Powers of 10 • Number line to 10,000,000 • Compare and order any integers • Round any integers • Negative numbers		**Number: Addition, Subtraction, Multiplication and Division** • Add and subtract integers • Common factors • Common multiples • Rules of divisibility • Primes to 100 • Square and cube numbers • Multiply up to a 4-digit number by a 2-digit number • Solve problems with multiplication • Short division • Division using factors • Introduction to long division • Long division with remainders • Solve problems with division • Solve multi-step problems • Order of operations • Mental calculations and estimation • Reason from known facts					**Number: Fractions A** • Equivalent fractions and simplifying • Equivalent fractions on a number line • Compare and order (denominator) • Compare and order (numerator) • Add and subtract simple fractions • Add and subtract any two fractions • Add mixed numbers • Subtract mixed numbers • Multi-step problems		**Number: Fractions B** • Multiply fractions by integers • Multiply fractions by fractions • Divide a fraction by an integer • Divide any fraction by an integer • Mixed questions with fractions • Fraction of an amount • Fraction of an amount - find the whole		**Measurement: Converting Units** • Metric measures • Convert metric measures • Calculate with metric measures • Miles and kilometres • Imperial measure

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Spring	**Number: Ratio** • Add or multiply? • Using ratio language • Introduction to the ratio symbol • Ratio and fractions • Scale drawing • Using scale factors • Similar shapes • Ratio problems • Proportion problems • Recipe		**Number: Algebra** • 1-step function machines • 2-step function machines • Form expressions • Substitution • Formulae • Form equations • Solve 1-step equations • Solve 2-step equations • Find pairs of values • Solve problems with two unknowns		**Number: Decimals** • Place value within 1 • Place value – integers and decimals • Round decimals • Add and subtract decimals • Multiply by 10, 100 and 1,000 • Divide by 10, 100 and 1,000 • Multiply decimals by integers • Divide decimals by integers • Multiply and divide decimals in context		**Number: Fractions, Decimals and Percentages** • Decimal and fraction equivalents • Fraction as division • Understand percentages • Fractions to percentages • Equivalent fractions, decimals and percentages • Order fractions, decimals and percentages • Percentage of an amount – one step • Percentage of an amount – multi-step • Percentages – missing values	**Measurement: Perimeter, Area and Volume** • Shapes – same area • Area and perimeter • Area of a triangle – counting squares • Area of a right-angled triangle • Area of any triangle • Area of a parallelogram • Volume – counting cubes • Volume of a cuboid		**Statistics** • Line graphs • Dual bar charts • Read and interpret pie charts • Pie charts with percentages • Draw pie charts • The mean	

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Summer	*** Geometry: Shape** • Measure and classify angles • Calculate angles • Vertically opposite angles • Angles in a triangle • Angles in a triangle – special cases • Angles in a triangle – missing angles • Angles in quadrilaterals • Angles in polygons • Circles • Draw shapes accurately • Nets of 3-D shapes		**Geometry: Position and Direction** • The first quadrant • Read and plot points in four quadrants • Solve problems with coordinates • Translations • Reflections	**Themed Projects and Problems Solving: Consolidation**								

* Summer Term: In order to ensure coverage, before SAT's, during the first 3 weeks the following are taught/revisited: Mean, Angles, Circles, Line Graphs, Pie Charts, Reading Timetables, Plotting Four Quadrants, Translation and Reflection. Any units not fully covered will be finished during the consolidation weeks.