Year 6 Long Term Plan

	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	**Autumn Block 1: 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 integer • Negative numbers		**Autumn Block 2: 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					**Autumn Block 3: 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		**Autumn Block 4: 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		**Autumn Block 5: Converting Units** • Metric measures • Convert metric measures • Calculate with metric measures • Miles and kilometres • Imperial measures
Spring	**Spring Block 1: Ratio** • Add or multiply? • Use ratio language		**Spring Block 2: Algebra** • 1-step function machines • 2-step function machines • Form expressions		**Spring Block 3: Decimals** • Place value within 1		**Spring Block 4: Fractions, decimals and percentages**		**Spring Block 5: Area, perimeter and volume** • Shapes – same area • Area and perimeter • Area of a triangle – counting squares			**Spring Block 6: Statistics** • Line graphs • Dual bar charts • Read and interpret pie charts

	• Introduction to the ratio symbol • Ratio and fractions • Scale drawings • Use scale factors • Similar shapes • Ratio problems • Proportion problems • Recipes	• Substitution • Formulae • Form equations • Solve 1-step equations • Solve 2-step equations • Find pairs of values • Solve problems with two unknowns	• 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	• Decimal and fraction equivalents • Fractions 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	• Area of a right-angled triangle • Area of any triangle • Area of a parallelogram • Volume – counting cubes • Volume of a cuboid	• Pie charts with percentages • Draw pie charts • The mean

Summer	**Summer Block 1: 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	**Summer Block 2: Position and direction** • The first quadrant • Read and plot points in four quadrants • Solve problems with coordinates • Translations • Reflections	Themed Projects and Consolidation