

## Year 6 Autumn /Spring Overview

Autumn Term	Spring Term
<b>Mental /Oral Maths</b>	<b>Mental/Oral Maths</b>
Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places through conversion Convert between standard units, converting measurements Compare and order numbers to 10 million, decimals, fractions,% Tables 12x 12, cubes, factors, squares, primes Four rules including inverse operations, BODMAS Missing angles Fractions, decimal and % equivalents	Comparing – numbers, fractions, decimals, % Rounding in context Times tables facts ,tests of divisibility, Mental calculation for all four rules Written calculation for all four rules Conversion of measures and time facts Inverse operations Missing angles Fractions, decimal and % equivalents
<b>Main Maths Strand</b>	<b>Main Maths Strand</b>
Place Value	Place Value
Addition and subtraction include BODMAS	Addition and subtraction – all aspects of the curriculum
Multiplication and division properties	Multiplication and division methods – all aspects of the curriculum
Multiplication and division methods	Shape 3d recognition
Measure - Length and perimeter/area – practical , ratio and formula	Measure Volume and revisit area
Fractions ,Decimals and %	Fractions Decimals and %
Shape – 2d shape and angles	Ratio
Statistics	Algebra
Four rules including algebra for missing numbers	Four rules to include questions from graphs and pie charts
<b>Cross Curricular Maths</b>	<b>Cross Curricular Maths</b>
Reinforce measures ,place value, calculations through Science Reinforce measure and shape through Art/DT  Use negative numbers in context, and calculate intervals across zero Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate Rounding within decimals Interpret and construct pie charts and line graphs and use these to solve problems <b>Volume</b> Recognise, describe and build simple 3-D shapes, including making nets Calculate and interpret the mean as an average.	Reinforce measures ,place value, calculations through Science Reinforce measure and shape through Art/DT  Construct and interpret line graphs and pie charts Calculate mean as an average Draw 2-D shapes using given dimensions and angles Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius Models of 3d shapes