

Year 6 LTP Maths Curriculum 2022-2023 [LINKS](#) / [RECAP FROM PREVIOUS YEAR](#) / [OBJECTIVES MOVED FROM ANOTHER YR](#)

AUTUMN 1 (7 $\frac{1}{2}$ weeks)	AUTUMN 2 (7 weeks)	SPRING 1 (6 weeks)	SPRING 2 (6 weeks)	SUMMER 1 (6 weeks)	SUMMER 2 (6 $\frac{1}{2}$ weeks)
<p>Fractions, decimals and percentages: 7 $\frac{1}{2}$ weeks</p> <p>Equivalent fractions Simplify fractions Convert between improper and mixed</p> <p>Fractions on a number line Fraction sequences Compare and order fractions (by numerator / denominator) Add and subtract fractions Add mixed numbers Subtract mixed numbers Mixed addition / subtraction Multiply fractions and integers Multiply fractions by fractions Divide fractions by integers Mixed operations with fractions Problem solving with fractions Fraction of an amount Using fractions as operators Decimal / fraction conversion Understand percentages (Y5) Percentages as fractions and decimals (Y5)</p> <p>Place value (all taught through warm-ups - 3 $\frac{1}{2}$ weeks) Numbers to 10,000 Numbers to 100,000 Numbers to 1,000,000 Numbers to 10,000,000 (read, write, represent, identify the value, partition, compare, order and place / estimate on number lines) Rounding Negative numbers</p>	<p>Conversions: 1 week Metric measures Conversions</p> <p>Statistics: 1 week Read and interpret Line graphs Draw line graphs Solve problems Distance / time graphs</p> <p>Co-ordinates: 1 week Plotting and reading in all 4 quadrants Missing co-ordinates on a straight line Missing co-ordinates in squares and rectangles</p> <p>Addition and subtraction (whole numbers): 1 week Mental calculations Sequences Add / subtract in a column Finding the difference Rounding to estimate Inverse operations Missing digits / numbers Multi-step problems</p> <p>Addition and subtraction (decimals): 2 weeks Complements to 1 Adding and subtraction decimals with different numbers of decimal places Add / subtract whole numbers and decimals Decimal sequences Multi-step problems Add/subtract with measures</p>	<p>Multiplication and Division: 2 weeks Order of operations Mental calculations Short multiplication method Long multiplication method Short division (incl. remainders) Interpret remainders Convert remainders into fractions / decimals Division using factors Long division (incl. remainders) Interpreting remainders Convert remainders into fractions / decimals (GD) Multi-step problems Estimating Reason from known facts Mean as an average</p> <p>Decimal calculation: 1 week Multiply decimals and integers Divide decimals by integers Calculate with metric measures</p> <p>Measure - perimeter/area: 1 week Area and perimeter Area of a triangle Area of a parallelogram</p> <p>Measure - volume: $\frac{1}{2}$ week Recap properties of 3d shape What is volume? (Y5) Comparing volume Estimating volume / capacity Counting cubes Calculating volume</p>	<p>FDP RECAP: 1 week Equivalent FDP Order FDP Percentage of an amount Percentages – missing values</p> <p>Ratio: 1 week Ratio language and symbol Ratio and fractions Calculating ratio Scale factors Ratio and proportion</p> <p>Measurement - imperial units: $\frac{1}{2}$ week Miles and kilometres Imperial measures (Y5)</p> <p>Geometry - circles: $\frac{1}{2}$ week Name, label and draw parts of a circle</p> <p>Statistics - pie charts: 1 week Read and interpret pie charts Pie charts with percentages Construct pie charts</p> <p>Geometry - properties of shape: 2 weeks Recognise and sort 2d shapes according to their properties Regular and irregular polygons Draw / measure with a protractor Draw lines and angles accurately Angles on a straight line Angles around a point Calculate angles Vertically opposite angles Angles in a triangle</p>	<p>Geometry - properties of shape: 1 week Recognise and sort 3d shapes according to their properties Draw nets of 3d shapes Lines of symmetry Complete symmetric figures</p> <p>Geometry - position and direction: 1 week Co-ordinates - missing vertices (using properties of 2d shapes) Translations Reflections</p> <p>Measure - time: 1 week Analogue to digital 12-hour and 24-hour Durations of time Convert units of time Timetables Problem solving with time</p> <p>REVISION OF KS2 CURRICULUM KS2 MATHS SATS</p>	<p>Statistics project - linked to geography field work</p> <p>Enterprise / economics project - linked to money week and PSHE</p> <p>STEM project - linked to computing and DT</p>

<p><u>Decimal place value</u> (all taught through warm-ups - 3 $\frac{1}{2}$ weeks)</p> <p>Decimals to 3dp. (read, write, represent, identify the value, partition, compare, order and place on a number line)</p> <p>Tenths, hundredths and thousandths as decimals and fractions</p> <p>Rounding decimals</p> <p>Multiply and divide by 10, 100, 1,000</p>	<p>Multiplication and Division: 1 week</p> <p>Times tables fluency</p> <p>Multiples and factors</p> <p>Common factors</p> <p>Common multiples</p> <p>Prime numbers (Y5)</p> <p>Prime factors</p> <p>Squares and cubes</p>	<p>Algebra: 1 $\frac{1}{2}$ weeks</p> <p>Finding rules (1-step and 2-step)</p> <p>Forming expressions</p> <p>Substitution</p> <p>Formulae (written and algebraic)</p> <p>Algebraic sequences</p> <p>Forming equations</p> <p>Solving equations</p> <p>Finding pairs of values</p> <p>Enumerate possibilities</p>	<p>Angles in quadrilaterals</p> <p>Angles in regular polygons</p> <p>Draw shapes accurately</p>		
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