

Year 6

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Baseline/ Summative assessments	AFL to inform level of scaffolding given, regular end of unit test interim tests,				
1. Place Value 2. Addition, Subtraction, Multiplication and Division 3. Fractions (Part 1) 4. Fractions (Part 2) 5. Measurement (Converting Units)		6. Ratio 7. Algebra 8. Decimals 9. Fractions, Decimals and Percentages 10. Area, Perimeter and Volume 11. Statistics		12. Shape 13. Geometry 14. Themed Projects, Consolidation and Problem-Solving	

Essentials

- Concrete, Pictorial, Abstract learning journeys
- Varied Fluency, Reasoning and Problem Solving
- Reference to White Rose Small Steps
- Statistics taught cross-curricular with STEM and foundation subjects
- Opportunities should be sought for objectives to be taught cross-curricular for real life context

Quick Maths

Retrieval of prior learning and Quick Maths objectives (below) to be covered

Recall multiplication and division facts for multiplication tables up to 12 × 12	Counting in steps of up to 12 from 0 and any given number	Count in steps of numbers through zero and into negative numbers	Count in common fractions with equivalent decimals and percentages e.g. 1/5 0.2 20%	Count in fractions with equivalent decimals and percentages	Count in decimals steps with up to 3 decimal places	Count in mixed numbers and improper fractions and convert from one form to the other e.g. 1 ¼ 5/4	Count in miles and with its kilometre conversion	Consolidate objectives based on gaps
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Teachers judgement to be used to consolidate a previous objective

Mathematical Vocabulary Year 6

<u>Instructions</u>				<u>General</u>			
Bisect, identify, explain your reasoning..., convert, adjusting, adjust, define, interrogate (data), prove,				Spinner, identical,			
Number and Place Value (obj. 1-4)	Addition and subtraction (obj. 5-8)	Multiplication and division (obj.9-17)	Fractions (obj. 18-27)	Geometry	Measure, (29-33)	Statistics	Algebra 28,32
<p>Factor pair greater than or equal to (sign), less than or equal to (sign)</p> <p>Formula, divisibility, square numbers, prime number, ascending/descending order,</p> <p>Round to the nearest ten thousand</p> <p>Factorise, prime factor, digit total,</p>	<p>Ones boundary, tenths boundary,</p>		<p>Proper/improper fraction, equivalent, reduced to, cancel, thousandths, every, for every, ratio, percentage, per cent, %</p>	<p><u>Properties of shape</u> Radius, diameter, circumference, concentric, arc, net, open ,closed, congruent, intersecting, intersection, axis of symmetry, reflective symmetry,</p> <p><u>2-D shape</u> X-axis, y-axis, quadrant, dodecahedron, net, open, closed,</p> <p><u>3-D shape</u> Octahedron,</p> <p><u>Position and direction</u> North-east, north-west, south-east, south-west, NE, NW, SE, SW, translate, translation, coordinate, rotate,</p>	<p>Imperial unit,</p> <p><u>Length</u> Yard, foot, feet, inch, inches, square metre (m²), square millimetre (mm²), circumference,</p> <p><u>Weight</u> Mass: big, bigger, small, smaller, Weight: heavy/light, heavier/lighter, heaviest/lightest, tonne, pound, ounce,</p> <p><u>Capacity and volume</u> Centilitre, cubic centimetres (cm³), cubic metres (m³), cubic millilitres (mm³), cubic kilometres (km³), Measuring cylinder, pint, gallon,</p>	<p>database, bar line chart, line graph, pie chart, maximum/minimum value, outcome, mean (mode, median, range as estimates for this) statistics, distribution,</p>	<p>Formulae, equation, unknown, variable,</p>

				rotation, degree, reflection, ruler, set square, angle, measurer, compass, protractor, reflex angle,	<u>Temperature</u> <u>Time</u> Leap year, millennium, Greenwich Mean Time, British Summer Time, International Date Line, noon, date of birth, timetable, arrive, depart, <u>Money</u> Discount, currency, profit, loss,		
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