

Year 4

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Baseline	AFL to inform level of scaffolding given, regular end of unit test interim tests,				
1. Place Value 2. Addition and Subtraction 3. Multiplication and Division (Part 1)		4. Multiplication and Division (Part 2) 5. Measurement: Area 6. Length and Perimeter 7. Fractions 8. Decimals (Part 1)		9. Decimals (Part 2) 10. Money 11. Time 12. Shape 13. Statistics 14. Position and Direction	
Consolidation – Revision of gaps as seen from summative assessment.					

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

Count in multiples of 25	Count in multiples of 1000	Count backwards through zero to include negative numbers	Count forwards and back in Roman numerals to 100 (I to C)	Count in multiples of 6 with corresponding division facts	Count in multiples of 7 with corresponding division facts	Count in multiples of 9 with corresponding division facts	Recall multiplication and division facts for multiplication tables up to 12×12	Count up and down in hundredths	Count using simple fractions and decimals, both forwards and backwards. E.g. $\frac{1}{4}$ 0.25, $\frac{2}{4}$ 0.5, $\frac{3}{4}$ 0.75	Consolidate objectives based on gaps
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Teachers judgement to be used to consolidate a previous objective

Mathematical Vocabulary Year 4

Instructions

Show your working, interpret, sketch, investigate, question, construct, justify, make a statement, plot, **construct, justify, make a statement, plot,**

General

Greatest value, least value, **pin board,**

Number and Place Value (obj. 1-9)	Addition and subtraction (obj. 10-12)	Multiplication and division (obj. 13-17)	Fractions (obj. 18-27)	Geometry (obj. 34-39)	Measurement (29-33)	Statistics (40,41)
<p>Eights, fifties and hundreds</p> <p>factor of relationship</p> <p>Roman numerals</p> <p>Count in sixes, sevens, eights, nines, twenty-fives, fifties and hundreds</p> <p>Next, consecutive, integer, positive, negative, above/below, zero, minus, negative numbers</p> <p>One hundred more, one thousand more, one hundred less, one thousand less,</p> <p>Approximate, approximately,</p> <p>Round, nearest, round to the nearest ten,</p>	<p>Hundreds boundary</p> <p>Inverse</p>	<p>Factor, product, remainder,</p> <p>Inverse, square, squared, cube, cubed</p>	<p>sixths, sevenths, eighths, tenths.</p> <p>Hundredths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion,</p>	<p><u>Properties of shape</u></p> <p>Line, construct, sketch, centre, perimeter, angle, right-angled, base, square-based, reflect, reflection, regular, irregular,</p> <p><u>2-D shape</u></p> <p>2-D, two-dimensional, oblong, rectilinear, pentagonal, hexagonal, octagonal, quadrilateral, equilateral triangle, isosceles triangle, scalene triangle, parallelogram, rhombus, trapezium, polygon, right-angled, parallel, perpendicular,</p> <p><u>3-D shape</u></p> <p>3-D, three-dimensional, hemisphere, spherical, prism,</p>	<p>Division, approximately, unit, standard unit, metric unit,</p> <p><u>Length</u></p> <p>Millimetre, kilometre, mile, breadth, distance apart, between, to, from, edge, perimeter, area, covers, square centimetres (cm²),</p> <p><u>Weight</u></p> <p>Mass: big, bigger, small, smaller, Weight: heavy/light, heavier/lighter, heaviest/lightest,</p> <p><u>Capacity and volume</u></p> <p>Measuring cylinder,</p> <p><u>Temperature</u></p> <p>centigrade</p> <p><u>Time</u></p>	<p>Survey, questionnaire, data, chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes, diagram,</p>

<p>hundred, thousand, round up, round down,</p>				<p>cylindrical, triangular prism, tetrahedron, polyhedron,</p> <p><u>Position and direction</u> compass point, north, south, east, west, N, S, E, W, north-east, north-west, south- east, south-west, NE, NW, SE, SW, horizontal, vertical, diagonal, translate, translation, angle... is a greater/smaller angle than, rotate, rotation, degree, reflection, ruler, set square, angle, measurer, compass,</p>	<p>Leap year, century, millennium,</p> <p>noon, calendar, date of birth, earliest, latest, Roman numerals, 12-hour clock time, 24-hour clock time, timetable, arrive, depart,</p> <p><u>Money</u></p>	
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