



# Blacko Primary School

Be Respectful. Be Collaborative. Be Ambitious.

Headteacher: Mrs K. Richards

Year 1													
Term	1	2	3	4	5	6	7	8	9	10	11	12	
Autumn	<p><b>Place Value (within 10)</b> Number of Small Steps: 15</p> <p><b>NCETM Spines:</b> 1.1 (comparison context) 1.3, (numbers 0-5) 1.4 (numbers 6-10)</p>					<p><b>Addition and Subtraction (within 10)</b> Number of Small Steps: 17</p> <p><b>NCETM Spines:</b> 1.2 (part whole model) 1.5, 1.6, 1.7</p>					<p><b>Geometry (shape)</b> Number of Small Steps: 5</p>		<p>Consolidation</p>
	<p><b>Place Value (Within 20)</b> Number of Small Steps: 12</p> <p><b>NCETM Spines:</b> 1.10 (TP 1 and 2)</p>		<p><b>Addition and Subtraction (within 20)</b> Number of Small Steps: 10</p> <p><b>NCETM Spines:</b> 1.10 (TP 5) 1.11 (TP 5 and 6)</p>			<p><b>Place value (within 50)</b> Number of Small Steps: 8</p> <p><b>NCETM Spines:</b> 1.9, 2.1</p>		<p><b>Length and Height</b> Number of Small Steps: 3</p> <p><b>NCETM Spines:</b> 1.1</p>		<p><b>Mass and volume</b> Number of Small Steps: 7</p> <p><b>NCETM Spines:</b> 1.1</p>			
Spring	<p><b>Multiplication and Division</b> Number of Small Steps: 9</p> <p><b>NCETM Spines:</b> 2.1 (TP 1-3) could also ref back to 1.8 TP 2</p>		<p><b>Fractions</b> Number of Small Steps: 8</p> <p>Year 1: Halving shapes or objects Year 1: Find a quarter of a shape or object</p>		<p><b>Position and direction</b> Number of Small Steps: 5</p>	<p><b>Place value (within 100)</b> Number of Small Steps: 7</p> <p><b>NCETM Spines:</b> 1.9</p>		<p><b>Money</b> Number of Small Steps: 4</p> <p><b>NCETM Spines:</b> Spine: 2.1 (TP 4 – 6)</p>	<p><b>Measurement</b> Number of Small Steps: 6</p>			<p>Consolidation</p>	

**Year 2**

Term	1	2	3	4	5	6	7	8	9	10	11	12	
Autumn	<p align="center"><b>Place Value</b> Number of Small Steps: 16</p> <p align="center"><b>NCETM Spines:</b> 1.9 (revisit Year 1 PV to 100) 2.1 (count in 2s, 5s, 10s)</p>				<p align="center"><b>Addition and Subtraction</b> Number of Small Steps: 21</p> <p align="center"><b>NCETM Spines:</b> Could refer back to 1.2 (for part-whole), 1.8 (support with tens and bonds to 100), 1.9 (TP 6 using PV for fact families) 1.7 (fact families inverse etc.) 1.14 (add and sub tens, 10 more less) 1.13 - (covers most small Steps) 1.14, 1.15 1.16 (subtraction 2 digit 2 digit, bonds 10s and 1s) 1.11 (three addends) 2.1 (TP 2 bonds to 100 from Y3)</p>					<p align="center"><b>Geometry (shape)</b> Number of Small Steps: 12</p>			Consolidation
	Spring	<p align="center"><b>Money</b> Number of Small Steps: 10</p> <p align="center"><b>NCETM Spines:</b> revisit 2.1 (TP 4-6) Use Add &amp; Sub skills from previous block and apply to money (y4 is next spine on money)</p>		<p align="center"><b>Multiplication and Division</b> Number of Small Steps: 17</p> <p align="center"><b>NCETM Spines:</b> 2.2, 2.3 (TP1) 2.5 (arrays) 2.3 (2x table), 2.4 (10 and 5 x table) (1.4 and 1.10 TP 3 if needed to refer back to y1 odd/even numbers) 2.6 - (TP 1-3 sharing and grouping) (TP 4 divide by 2, 5, 10)</p>					<p align="center"><b>Length and Height</b> Number of Small Steps: 5</p> <p align="center"><b>NCETM Spines:</b> could ref back to 1.1</p>		<p align="center"><b>Mass, Capacity and Temperature</b> Number of Small Steps: 9</p>		
Summer		<p align="center"><b>Fractions</b> Number of Small Steps: 15</p> <p align="center"><b>NCETM Spines:</b> Key Stage 1 Fractions</p>			<p align="center"><b>Time</b> Number of Small Steps: 7</p>			<p align="center"><b>Statistics</b> Number of Small Steps: 7</p> <p align="center"><b>NCETM Spines:</b> Some ideas in 1.12 but this is mainly a focus on difference</p>		<p align="center"><b>Position and Direction</b> Number of Small Steps: 5</p>		Consolidation	

**Year 3**

Term	1	2	3	4	5	6	7	8	9	10	11	12	
<b>Autumn</b>	<p align="center"><b>Place Value</b> Number of Small Steps: 14</p> <p align="center"><b>NCETM Spines:</b> 1.17 (TP1 hundreds, 1000, 50s, 25s) 1.18 (TP1 100s,10s,1s) (TP2 number line to 1000) (TP3 1,10,100 more or less) (TP4 compare order)</p>			<p align="center"><b>Addition and Subtraction</b> Number of Small Steps: 22</p> <p align="center"><b>NCETM Spines:</b> 1.18 (TP 5 add and sub multiples of 100) 1.19 1.17 (TP 3 + 4 crossing 10s and 100s) 1.20 (written addition) 1.21 (written subtraction)</p>				<p align="center"><b>Multiplication and Division A</b> Number of Small Steps: 15</p> <p align="center"><b>NCETM Spines</b> 2.6 (revisit for equal groups) 2.8 (TP 1 mult and divide by 3) 2.7 (mainly TP2 mult divide by 4 incl 4x table) (TP3 &amp; 4 mult and divide by 8 incl 8x table)</p>					
	<b>Spring</b>	<p align="center"><b>Multiplication and Division B</b> Number of Small Steps: 11</p> <p align="center"><b>NCETM Spines:</b> 2.6 TP4 related 2.13 (TP 6 related facts taken from y4) 2.19 (related facts taken from y5) 2.17 and 2.8 (TP 5 scaling) 2.14 (select from TP 1 &amp; 2) 2.15 (TP 1) (Concrete resources best for this topic)</p>			<p align="center"><b>Length and Perimeter</b> Number of Small Steps: 12</p> <p align="center"><b>NCETM Spines:</b> 2.16 (TP 1 to introduce)</p>		<p align="center"><b>Fractions A</b> Number of Small Steps: 10</p> <p align="center"><b>NCETM Spines:</b> revisit Key Stage 1 3.1, 3.2 3.6 (TP 3 Fractions of amounts)</p>		<p align="center"><b>Mass and Capacity</b> Number of Small Steps: 11</p>				
<b>Summer</b>		<p align="center"><b>Fractions B</b> Number of Small Steps: 6</p> <p align="center"><b>NCETM Spines:</b> 3.3 (compare and order) 3.4 (add and sub fractions) 3.7 (select from TP 1 + 2 only)</p>		<p align="center"><b>Money</b> Number of Small Steps: 5</p> <p align="center"><b>NCETM Spines:</b> revisit 2.1 1.25 (select appropriate)</p>		<p align="center"><b>Time</b> Number of Small Steps: 12</p>			<p align="center"><b>Shape</b> Number of Small Steps: 10</p>		<p align="center"><b>Statistics</b> Number of Small Steps: 6</p>		<p align="center">Consolidation</p>

**Year 4**

Term	1	2	3	4	5	6	7	8	9	10	11	12	
<b>Autumn</b>	<p align="center"><b>Place Value</b> Number of Small Steps: 17</p> <p align="center"><b>NCETM Spines:</b> 1.17 (count in 25s), 1.22, 1.27 (negative numbers)</p>			<p align="center"><b>Addition and Subtraction</b> Number of Small Steps: 10</p> <p align="center"><b>NCETM Spines:</b> 1.22 (TP 3 add sub 1s,10s, 100s, 1000s and TP5). Refer back to 1.20 and 1.21 for introducing written methods.</p>				<p align="center"><b>Area</b> Number of Small Steps: 4</p>	<p align="center"><b>Multiplication and Division A</b> Number of Small Steps: 13</p> <p align="center"><b>NCETM Spines:</b> 2.6 (TP5 for <math>x \div 0</math> and 1), 2.8 (6x and 9x), 2.9 (7x), 2.13 (<math>x \div 10,100</math>)</p>				
	<p align="center"><b>Multiplication and Division B</b> Number of Small Steps: 15</p> <p align="center"><b>NCETM Spines:</b> 2.10 (factor pairs), 2.11 (11x, 12x &amp; efficient mult), 2.14 (multiplication) 2.15 (division) 2.12 (remainders)</p>			<p align="center"><b>Length and Perimeter</b> Number of Small Steps: 9</p> <p align="center"><b>NCETM Spines:</b></p>		<p align="center"><b>Fractions</b> Number of Small Steps: 15</p> <p align="center"><b>NCETM Spines:</b> May need to visit 3.0 (KS1 fractions) &amp; Year 3 for intro. 3.4 (add and sub fractions) 3.7 (equiv - TP1 &amp; TP2), 3.5 (be selective - show more than one whole in fractions, count on &amp; back past 1, add &amp; sub)</p>			<p align="center"><b>Decimals A</b> Number of Small Steps: 10</p> <p align="center"><b>NCETM Spines:</b> (Revisit 2.13 for <math>\div 10</math> and 100), 1.23 (tenths, hundredths), 1.24 (mainly TP 1 and some of TP2)</p>				
<b>Summer</b>	<p align="center"><b>Decimals B</b> Number of Small Steps: 8</p> <p align="center"><b>NCETM Spines:</b> NCETM Spine: 1.24 (TP2, TP7)</p>		<p align="center"><b>Money</b> Number of Small Steps: 6</p> <p align="center"><b>NCETM Spines:</b> e: 1.22 (TP 4 estimate money) 1.25</p>		<p align="center"><b>Time</b> Number of Small Steps: 5</p>		<p align="center">Consolidation</p>	<p align="center"><b>Shape</b> Number of Small Steps: 8</p>		<p align="center"><b>Statistics</b> Number of Small Steps: 4</p>	<p align="center"><b>Position and Direction</b> Number of Small Steps: 5</p> <p align="center"><b>NCETM Spines:</b> Spine: 1.27 TP 6</p>		

**Year 5**

Term	1	2	3	4	5	6	7	8	9	10	11	12		
Autumn	<p align="center"><b>Place Value</b> Number of Small Steps: 14</p> <p align="center"><b>NCETM Spines:</b> 1.26 1.27 (negative numbers)</p>			<p><b>Addition and Subtraction</b> Number of Small Steps: 8</p> <p align="center"><b>NCETM Spines:</b> revisit 1.22 (TP 3 and TP5) and 1.20, 1.21 for written methods. 1.29 (strategies and mental methods as opposed to written. Includes decimals) 1.29 (TP 3 difference) 1.29 (TP 6 estimate, approx, inverse) 1.28 (multi-step probs)</p>		<p><b>Multiplication and Division A</b> Number of Small Steps: 10</p> <p align="center"><b>NCETM Spines</b> 2.21 (factors multiples prime) 2.9 (square numbers) 2.13 (mult divide 10,100,100) 2.19 (10,100,1000) 2.20 (cube numbers) 2.18 (maybe stand alone as equivalence)</p>			<p align="center"><b>Fractions A</b> Number of Small Steps: 17</p> <p align="center"><b>NCETM Spines:</b> revisit parts of earlier fractions to prepare for topic (3.1, 3.2, 3.3, 3.4) 3.7 (equivalents and simplifying, compare order), 3.8 (add and subtract), 3.5 improper and mixed, 3.6 multiplying</p>					
	<p align="center"><b>Multiplication and Division B</b> Number of Small Steps: 11</p> <p align="center"><b>NCETM Spines:</b> 2.23 (area model) 2.15 (division) 2.14 (written multiplication)</p>			<p align="center"><b>Fractions B</b> Number of Small Steps: 7</p> <p align="center"><b>NCETM Spines:</b> revisit parts of earlier fractions to prepare for topic (3.1, 3.2, 3.3, 3.4) 3.7 (equivalents and simplifying, compare order), 3.8 (add &amp; subtract), 3.5 improper and mixed, 3.6 multiplying</p>		<p align="center"><b>Decimals and Percentages</b> Number of Small Steps: 15</p> <p align="center"><b>NCETM Spines:</b> continue from y4 1.23 and 1.24 (1/10, 1/100, 1/000ths) 1.24 (TP 3 compare and order) 3.10 FDP (TP1,TP2,TP4, TP5)</p>			<p align="center"><b>Perimeter and Area</b> Number of Small Steps: 6</p> <p align="center"><b>NCETM Spines:</b> revisit 2.16</p>		<p align="center"><b>Statistics</b> Number of Small Steps: 5</p> <p align="center"><b>NCETM Spines:</b> Some examples in 1.28 and 1.29</p>			
Summer	<p align="center"><b>Shape</b> Number of Small Steps: 10</p> <p align="center"><b>NCETM Spines:</b> 1.28 (some ideas in TP4)</p>			<p align="center"><b>Position and Direction</b> Number of Small Steps: 6</p> <p align="center"><b>NCETM Spines:</b> 1.27 TP 6</p>		<p align="center"><b>Decimals</b> Number of Small Steps: 12</p> <p align="center"><b>NCETM Spines:</b> ref back to 1.23 TP 4 -6 1.24 (TP 4 &amp; 6) 2.19 TP 2 and 2.29 (decimals by 10,100,1000)</p>			<p align="center"><b>Negative Numbers</b> Number of Small Steps: 5</p> <p align="center"><b>NCETM Spines:</b> 2.27 Neg nos: counting, comparing &amp; calc</p>	<p align="center"><b>Converting Units</b> Number of Small Steps: 6</p> <p align="center"><b>NCETM Spines:</b> 1.24 TP5</p>		<p align="center"><b>Volume</b> Number of Small Steps: 4</p> <p align="center"><b>NCETM Spines:</b> 2.20</p>		

**Year 6**

Term	1	2	3	4	5	6	7	8	9	10	11	12	
Autumn	<p align="center"><b>Place Value</b> Number of Small Steps: 8</p> <p><b>NCETM Spines:</b> : revisit y5 1.26PV 1.30 (mainly TP2 and TP3) 1.30 (TP 5 rounding)</p>		<p align="center"><b>Addition, subtraction, multiplication and division</b> Number of Small Steps: 17</p> <p align="center"><b>NCETM Spines:</b> 1.30TP 4 (revisit 1.20 and 1.21 for column) 1.30 (maybe use to secure PV and counting through boundaries using mental methods TP4 and fluency including RPS in TP6) 2.24 (division - ref back to 2.15 if necessary) 2.23 long multiplication 2.21 common factors, common multiples, primes 2.20 cubes and ref back to 2.9 for square numbers 2.22 and 2.28 (order operations) 2.25 (reason known facts)</p>					<p align="center"><b>Fractions A</b> Number of Small Steps: 9</p> <p align="center"><b>NCETM Spines</b> 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3</p>			<p align="center"><b>Fractions B</b> Number of Small Steps: 7</p> <p align="center"><b>NCETM Spines:</b> 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3</p>		<p align="center"><b>Converting units</b> Number of Small Steps: 5</p> <p align="center"><b>NCETM Spines:</b> 2.29 TP2 (metric only)</p>
	Spring	<p align="center"><b>Ratio</b> Number of Small Steps: 10</p> <p><b>NCETM Spines:</b> 2.27</p>		<p align="center"><b>Algebra</b> Number of Small Steps: 10</p> <p><b>NCETM Spines:</b> 1.28, 1.31</p>		<p align="center"><b>Decimals</b> Number of Small Steps: 9</p> <p><b>NCETM Spines:</b> TP 1.24 for 3 D.P, revisit 2.29 - multi div 10,100,1000 2.19 mult div decimals by integers 2.28 (some support with division problems but no decimals) 3.10 fraction decimal</p>		<p align="center"><b>Fractions, decimals and percentages</b> Number of Small Steps: 9</p> <p align="center"><b>NCETM Spines:</b></p>		<p align="center"><b>Area, perimeter and volume</b> Number of Small Steps: 8</p> <p><b>NCETM Spines:</b> 2.30 area perimeter (revisit 2.16) 2.20 volume</p>		<p align="center"><b>Statistics</b> Number of Small Steps: 6</p> <p><b>NCETM Spines:</b> 1.28 TP3 (pie chart, bar chart - missing values focus) 3.10 TP6 - percentage context, 2.26 mean average</p>	
Summer		<p align="center"><b>Shape</b> Number of Small Steps: 11</p> <p><b>NCETM Spines:</b> 1.28 TP4 (missing angles only)</p>		<p align="center"><b>Position and direction</b> Number of Small Steps: 5</p> <p><b>NCETM Spines:</b> 1.27 TP 6</p>		<p align="center">Themed projects Consolidation Problem solving</p>							

