Beardall Fields Fluency Progression Breakdown

<table>
<tr><th></th><th>Autumn 1</th><th>Autumn 2</th><th>Spring 1</th><th>Spring 2</th><th>Summer 1</th><th>Summer 2</th><th>End of Year Expectations</th></tr>
<tr><td>EYFS (Number facts)</td><td colspan="2">Subitise up to 5</td><td colspan="2"><u>Number bonds to 5 (including subtraction facts)</u></td><td colspan="2"><u>Doubles of numbers to 5 (5 facts)</u>
1+1
2+2
3+3
4+4
5+5</td><td>All children will know or have a strategy to work out 5/121 addition facts</td></tr>
<tr><td>Year 1 (Tables)</td><td colspan="6">Count in 2s, 5s, and 10s and then consolidated in Year 2</td><td></td></tr>
<tr><td>Year 1 (Number facts)</td><td colspan="2"><u>Adding 0 to a number (19 facts)</u>
0+0, 0+1, 0+2, 0+3, 0+4, 0+5, 0+6, 0+7, 0+8, 0+9, 1+0, 2+0, 3+0, 4+0, 5+0, 6+0, 7+0, 8+0, 9+0

<u>Adding 1 (14 facts)</u>
2+1, 3+1, 4+1, 5+1, 6+1, 7+1, 8+1, 1+2, 1+3, 1+4, 1+5, 1+6, 1+7, 1+8,</td><td><u>Number Bonds to 10 (10 facts)</u>
10+0, 9+1, 8+2, 7+3, 6+4, 4+6, 3+7, 2+8, 1+9, 0+10</td><td><u>Adding 10 to a number (19 facts)</u>
1+10, 2+10, 3+10, 4+10, 5+10, 6+10, 7+10, 8+10, 9+10, 10+1, 10+2, 10+3, 10+4, 10+5, 10+6, 10+7, 10+8, 10+9, 10+10</td><td><u>Adding 2 (12 facts)</u>
3+2, 4+2, 5+2, 6+2, 7+2, 9+2, 2+3, 2+4, 2+5, 2+6, 2+7, 2+9

<u>Number Bonds to 20 – consolidated in Y2 (21 facts)</u>
10+10, 11+9, 12+8, 13+7, 14+6, 15+5, 16+4, 17+ 3, 18+2, 19+1, 20+0, 0+20, 1+19, 2+18, 3+17, 4+16, 5+15, 6+14, 7+13, 8+12, 9+11</td><td><u>Ones without a family (4 facts)</u>
5+3, 6+3, 3+5, 3+6

<u>Near doubles (4 facts)</u>
4+3, 3+4, 5+4, 4+5</td><td>All children will know or have a strategy to work out 87/121 addition facts

All children to have completed Level 1 on Mathletics</td></tr>
<tr><td>Year 2 (Tables)</td><td colspan="6">2x tables
5x tables
10x tables
Build on Year 1 work and knowledge. Constantly revisit and make links to learning in class e.g. time/money and number facts.</td><td>All children to have completed Bronze Challenge</td></tr>
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Year 2 (Number Facts)	**Doubles (4 facts)** 6+6, 7+7, 8+8, 9+9 **Near doubles (4 facts)** 6+5, 7+6, 8+7, 9+8 **Subtracting one from a number up to 10 (9 facts)** 2-1, 3-1, 4-1, 5-1, 6-1, 7-1, 8-1, 9-1, 10-1	**Bridging 10** 7 + 5 = 12 5 + 7 = 12 12 – 7 = 5 12 – 5 = 7 8 + 4 = 12 4 + 8 = 12 12 – 4 = 8 12 – 8 = 4 9 + 3 = 12 3 + 9 = 12 12 – 9 = 3 12 – 3 = 9 **Subtracting zero from a number up to 10 (10 facts)** 1-0, 2-0, 3-0, 4-0, 5-0, 6-0 7-0, 8-0, 9-0, 10-0 **Subtracting the same number from each other to give 0 (10 facts)** 1-1, 2-2, 3-3, 4-4, 5-5, 6-6, 7-7, 8-8, 9-9, 10-10 **Spare two subtractions facts from Year 1.** 11-2 = 9	**Bridging 10** 11-4 = 7 11 – 7 = 4 7+4 = 11 4+7 =11 8+3 = 11 3+8 = 11 11 – 3 = 8 11 – 8 = 3 **Difference of one when subtracting (8 facts)** 3-2, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9 **Difference of two when subtracting (7 facts)** 4-2, 5-3, 6-4, 7-5, 8-6, 9-7, 10-8	**Bridging 10** 8 + 5 = 13 5 + 8 = 13 13 – 5 = 8 13 – 8 = 5 9 + 4 = 13 4 + 9 = 13 13 -9 = 4 13 – 4= 9 **Making 10 when subtracting (10 facts)** 11-1, 12-2, 13-3, 14-4, 15-5, 16-6, 17-7, 18-8, 19-9, 20-10 **Subtracting from 10 (5 facts)** 10-2, 10-3, 10-4, 10-5, 10 -6, 10-7	**Bridging 10** 8 + 6 = 14 6 + 8 = 14 14 – 8 = 6 14 – 6 = 8 9 + 5 = 14 5 + 9 = 14 14 – 9 = 5 14 – 5 = 9 9 + 6 = 15 6 + 9 = 15 15 – 9 = 6 15 – 6 = 9 9 + 7 = 16 7 + 9 = 16 16 – 7 = 9 16 – 9 = 7 **Subtracting two from a number (5 facts)** 5-2, 6-2, 7-2, 8-2, 9-2 **Subtracting 10 from a number (10 facts)** 11-10, 12-10, 13-10, 14-10, 15-10, 16-10, 17-10, 18-10, 19-10, 20-10	**Remaining subtraction number facts** (Children to use strategies throughout the whole year to learn these 15 facts) 6 -3, 7 -3, 8-3, 9-3, 7-4, 8-4, 9-4, 8-5, 9-5, 9-6 17 -9 = 8 18 -9 = 9 (go back to double 9 and fact family) 17 – 8 = 9 16 -8 = 8 (go back to double 8 and fact family) 15-7 =8 14- 7 = 7 (go back to double 7 and the fact family) 12-6 = 6 (go back to double 7 and	All children to have completed Level 2 on Mathletics All children will know or have a strategy to work out 121/121 addition facts and 120/120 subtraction facts All children will know or have a strategy to work out number bonds to 20

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		11-9 = 2 9 + 2 = 11 2 + 9 = 11				the fact family)	
	Number Bonds to 20 (21 facts) 10+10, 11+9, 12+8, 13+7, 14+6, 15+5, 16+4, 17+ 3, 18+2, 19+1, 20+0, 0+20, 1+19, 2+18, 3+17, 4+16, 5+15, 6+14, 7+13, 8+12, 9+11						
Year 3 (Tables)	**3x tables**		**4x tables**		**8x tables**		All children to have completed Silver Challenge
Year 3 (Number Facts)	Addition from 1 – 20 with a missing addend	Addition from 1 – 50 Subtraction from 1 – 50		Doubles and halves up to 50		Consolidate	All children to have completed Level 3 on Mathletics
Year 4 (Tables)	**6x tables**	**7x tables**	**9x tables**	**12x tables**	**11x tables**	Consolidate	All children to have completed the Gold and European Challenge
Year 4 (Number Facts)	Addition from 1 – 50 with a missing addend	Addition from 1 – 100 Subtraction from 1 – 100		Doubles and halves up to 100		Consolidate	All children to have completed Level 4 on Mathletics
Year 5 (Tables)	Children will know their multiplication and division facts up to 12x12 by the end of Year 4.						All children to have complete

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	Year 5 focuses on developing speed and efficiency further and supersizing/minimizing our known facts. e.g. 0.4s, 400s, 40,000s. In building towards Long Division in Year 6, Year 5 pupils will end the year using their doubling and halving skills to quickly find the first 10 multiples of any 2d number. We call this 'Coin Multiplication' based on the idea that knowing your 1x, 2x, 5x and 10x will help you find everything else out quickly.				Olympic Challenge
Year 5 (Number facts)	Addition from 1 to 100 with a missing addend	Addition from 1 – 500 Subtraction from 1 – 100	Time conversions Length conversions	Coin Multiplication	All children to have completed Level 5 on Mathletics
Year 6 (Tables)	Children will know their multiplication and division facts up to 12x12 by the end of Year 4. Year 6 consolidates the speed and efficiency developed in Year 5. Known links to all areas of maths, by supersizing and minimizing our know				All children to have completed Ultimate Challenge

	facts, are now expected of the children. Coin Multiplication is embedded so children can perform a plethora of challenging maths skills at speed.					
Year 6 (Number facts)	Converting mm, cm and m 24 hour time Terms in a sequence with decimals Terms in a sequence with whole numbers	Operations with decimals Fractions and decimals Percentages and decimals Simple Percentages	Calculations using brackets	Timetable calculations	Consolidation	All children to have completed Level 6 on Mathletics