

## Table Sticks

### Curriculum Overview, assessment and lesson guide



**THURGOLAND**

CHURCH OF ENGLAND PRIMARY SCHOOL



LEARNING TOGETHER  
IN FAITH & JOY

<b>Knowledge needed prior to introducing Table Sticks</b>	
Equal and unequal groups	Y1 – Summer term Y2 – Spring term
Combining equal group quantities	Y1 – Summer term Y2 – Spring term
Unitising	EYFS – Autumn (1-3) , Spring (4 – 8) , Summer (9 – 10) Y1 – Autumn
Relationship between repeated addition and the times sign	Y1 – Summer term Y2 – Spring term

<b>Table Sticks teaching timetable</b>	
Year 1	A daily 15 minute session from Spring 2
Year 2	A daily 15 minute session
Year 3	A daily 15 minute session
Year 4	A daily 15 minute session

<b>Class</b>	<b>Revisit and Revise</b>	<b>New Learning</b>
R		Doubling numbers to 10 Halving numbers to 10
1	Doubling numbers to 10 Halving numbers to 10	0x 1x, 10x
2	0 x 1x, 10x	2x, 5x, 3x
3	2x, 5x, 3x	4x, 6x, 8x
4	4x, 6x, 8x	7x 9x 11x 12x
5	0x 1x, 2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x, 11x, 12x	Square numbers 0x0 to 12x12 Cubed numbers 0x0 to 12x12 Prime Numbers to 19
6	0x 1x, 2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x, 11x, 12x  Square numbers 0x0 to 12x12 Cubed numbers 0x0 to 12x12 Prime Numbers to 19	

<b>Assessment</b>	<b>Interventions</b>
<ul style="list-style-type: none"> <li>All children to complete an MTC score at the end of every half term using a assessments completed on iPad/computers.</li> <li>Scores /25 to be recorded on Insights.</li> <li>Maths lead to monitor.</li> </ul>	<ul style="list-style-type: none"> <li>Pupils will be given daily interventions of table sticks to ensure they can maintain at the level of the rest of the class using methods taught from table sticks.</li> <li>For SEND pupils who fall behind at a significant rate and table sticks intervention having no impact, pupils to be taught by rote their times tables.</li> </ul>

## Times Tables Progression



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS</b> Doubles					Double/halving	Double/having
<b>Year 1</b> <b>Revise</b> Doubles  <b>New Learning</b> 1x, 10x	Mastering Number  Numbots	Mastering Number  Numbots	Mastering Number  Numbots	<b>Tables Sticks</b>  Doubles/Halving to 12  <b>NL</b> - 0x  Revision/MTC (timed PowerPoint)	<b>Tables Sticks</b>  <b>R</b> - doubles/halving  <b>NL</b> - 1x table  Revision/MTC (timed PowerPoint)	<b>Tables Sticks</b>  <b>R</b> - Recap 1x  <b>NL</b> - 10x table  Revision/MTC (timed PowerPoint)
<b>Year 2</b> <b>Revise</b> 1x, 10x  <b>New Learning</b> 2x, 5x, 3x	<b>Tables Sticks</b>  <b>R</b> - 1x 10x  <b>NL</b> - 2x  Revision/MTC (timed PowerPoint)	<b>Tables Sticks</b>  <b>R</b> - 2x  <b>NL</b> - 5x  Revision/MTC (timed PowerPoint)	<b>Tables Sticks</b>  <b>R</b> - 1x 10x 2x 5x  <b>NL</b> - 3x  Revision/MTC (timed PowerPoint)	<b>Tables Sticks</b>  <b>R</b> - 2 x 5x 3x 10x  Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.  Revision/MTC (timed PowerPoint)	<b>Tables Sticks</b>  <b>R</b> - 2 x 5x 3x 10x  Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.  Revision/MTC (timed PowerPoint)	<b>Tables Sticks</b>  <b>R</b> - 2 x 5x 3x 10x  Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.  Revision/MTC (timed PowerPoint)

<p><b>Year 3</b></p> <p><b>Revise</b> 2x, 5x, 3x,</p> <p><b>New Learning</b> 4x, 6x, 8x</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 3x</p> <p><b>NL</b> – 6x</p> <p>Revision/MTC (timed PowerPoint)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 6x 2x</p> <p><b>NL</b> – 4x</p> <p>Revision/MTC (timed PowerPoint)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 4x</p> <p><b>NL</b> – 8x</p> <p>Revision/MTC (timed PowerPoint)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 2x 4x 8x</p> <p><b>R</b> – 3x 6x</p> <p>Revision/MTC (timed PowerPoint)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 4x 8x (2 weeks)</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (timed PowerPoint)</p>	<p><b>Tables Sticks</b></p> <p>R – 2x 3x 4x 5x 6x 8x 10x</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (timed PowerPoint)</p>
<p><b>Year 4</b></p> <p><b>Revise</b> 4x, 6x, 8x</p> <p><b>New Learning</b> 7x 9x 11x 12x</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> - 2x 5x 10x</p> <p><b>R</b> – 3x 6x</p> <p><b>R</b> – 4x 8x</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 3x 6x 4x 8x</p> <p><b>NL</b> – 7x</p> <p><b>NL</b> – 9x</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 7x 9x</p> <p><b>NL</b> – 11x</p> <p><b>NL</b> – 12x</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 0x 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 0x 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p><b>MTC Test</b></p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 0x 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>

<p><b>Year 5</b></p> <p><b>Revise</b> 0x 1x, 2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x, 11x, 12x</p> <p><b>New Learning</b> Square numbers 0x0 to 12x12</p> <p>Prime Numbers to 19</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 2x 3x 4x 5x 6x</p> <p><b>NL</b> – Square numbers 0x0 to 12x12</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 7x 8x 9x 10x 11x 12x</p> <p><b>NL</b> – Prime numbers to 19</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>Tables Sticks</b></p> <p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>
<p><b>Year 6</b></p> <p><b>Revise</b> 0x 1x, 2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x, 11x, 12x</p> <p>Square numbers 0x0 to 12x12 Prime Numbers to 19</p> <p><b>New Learning</b> Prime Numbers to 100 Cube Numbers</p>	<p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p><b>R</b> – Square numbers to 12x12 Prime numbers to 19</p> <p><b>NL</b> - Prime numbers to 100</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p><b>NL</b> – Cube Numbers to 100</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p><b>R</b> – Square numbers, prime numbers, cube numbers</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p><b>R</b> – Square numbers, prime numbers, cube numbers</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p><b>R</b> – Square numbers, prime numbers, cube numbers</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>	<p><b>R</b> – 1x 2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x</p> <p><b>R</b> – Square numbers, prime numbers, cube numbers</p> <p>Daily recap lessons – teacher to target any misconceptions/gaps in knowledge and address.</p> <p>Revision/MTC (TTRS sound check)</p>

## Table Sticks Teaching Sequence

<p style="text-align: center;"><b>Introduce</b></p> <p><i>Introduce each times table with making links to the real world e.g. 7 – 7 colours of the rainbow, 7 harry potter books, 7 days a week</i></p>	<p style="text-align: center;"><b>Pattern</b></p> <p><i>Explore the patterns chn can use e.g. landmark numbers (1x 5x 10x) , relationships between numbers (e.g. 7 – 7 colours of the rainbow, 7 harry potter books, 7 days a week)</i></p>	<p style="text-align: center;"><b>Concrete resources</b></p> <p><i>Teaching resources to use alongside teaching the times table e.g. numicon, tens frames, base 10, counters.</i></p>	<p style="text-align: center;"><b>Learn</b></p> <p><i>Time allocated for pupils to learn the times tables, apply their pattern/number relationship knowledge to apply.</i></p>	<p style="text-align: center;"><b>Consolidate</b></p> <p><i>Whole class consolidation of the times tables, quick fire questions, TT rockstars battles, whole class questions.</i></p>
<p style="text-align: center;">1 x</p>	<p>It's the same as the 1's counting pattern A number x by 1 is itself.</p>	<p>Numicon 1's used to show the number being made Counters to show the number is a tens frame for subitising</p>	<p>Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles</p>	<p>TT rockstars class battles Class questions Quick fire questions Whiteboard AFL</p>
<p style="text-align: center;">10 x</p>	<p>If you know your 1 x then you know your 10 x by making each number a multiple of 10.</p>	<p>Numicon 1's and 10s – represent the 1x table with the numicon 1s and then show the pattern using numicon 10s Tens frames to show the increase of a 10 each time Base 10 to show the lots of 10 each time</p>	<p>Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles</p>	<p>TT rockstars class battles Class questions Quick fire questions Whiteboard AFL</p>
<p style="text-align: center;">2 x</p>	<p>You can use your knowledge of doubles to help you find 2 x. 2 x is the same as doubling a number. Repeated addition of the same number.</p>	<p>Numicon to show the doubling e.g. two lots of 2 numicon pieces, two lots of 4 numicon pieces. Tens frames to show the doubling of counters in 2 different frames/coloured counters. Show arrays with numicon for repeated addition e.g. <math>3 \times 2 = 2 + 2 + 2</math></p>	<p>Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles</p>	<p>TT rockstars class battles Class questions Quick fire questions Whiteboard AFL</p>

5 x	If you know your 10 x then you can use your halving knowledge to find the 5 x 5 x a number is half of 10 x a number	Numicon 5's to show the increase of 5 each time Numicon to show halving e.g. numicon 5 on top of numicon 10 to show the relationship between double/halving Show arrays with numicon for repeated addition e.g. $4 \times 5 = 5+5+5+5+5$ Show relationship with numicon 5 and 10 – pattern goes multiple of 5, multiple of 10 etc...	Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles	TT rockstars class battles Class questions Quick fire questions Whiteboard AFL
3 x	Landmark numbers 1 x 5 x 10 x Pupils will know 2 x from prior knowledge Double 2 x for 4 x Double 4 x for 8 x Use 5 x for 6 x 7 x Use 10 x for 9 x 11 x 12 x Chn will be able to use commutative law from knowledge of 1 x 2 x 5 x 10 x	Numicon 3's to show the increase of 3 each time Tens frames to add 3 each time to support with subitising. Match sticks to show lots of 3 and make shapes e.g. 1 x 3 – make a triangle 2x 3 – make 2 triangles etc Show arrays with numicon for repeated addition e.g. $2 \times 3 = 3 + 3$	Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles	TT rockstars class battles Class questions Quick fire questions Whiteboard AFL
4 x	Landmark numbers 1 x 5 x 10 x Pupils will know 2 x 3 x from prior knowledge Double 2 x for 4 x Double 4 x for 8 x Use 5 x for 6 x 7 x Use 10 x for 9 x 11 x 12 x Chn will be able to use commutative law from	Numicon 4's to show the increase of 4 each time Tens frames to add 4 each time to support with subitising. Match sticks to show lots of 4 and make shapes e.g. 1 x 4 – make a square Show arrays with numicon for repeated addition e.g. $6 \times 4 = 4+4+4+4+4+4$	Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles	TT rockstars class battles Class questions Quick fire questions Whiteboard AFL

	knowledge of 1 x 2 x 5 x 10 x 3 x			
6 x	Landmark numbers 1 x 5 x 10 x Pupils will know 2 x 3 x from prior knowledge Double 3 x to find the 6 x table Use 10 x for 9 x 11 x 12 x Chn will be able to use commutative law from knowledge of 1 x 2 x 5 x 10 x 3 x 4 x	Numicon 6's to show the increase of 6 each time Tens frames to add 6 each time to support with subitising. Match sticks to show lots of 6 and make shapes e.g. 1 x 6 – make a hexagon Show arrays with numicon for repeated addition e.g. $3 \times 6 = 6 + 6 + 6$	Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles	TT rockstars class battles Class questions Quick fire questions Whiteboard AFL
7 x	Landmark numbers 1 x 5 x 10 x Pupils will know 2 x 3 x from prior knowledge Double 2 x for 4 x Double 4 x for 8 x Use 5 x for 6 x 7 x Use 10 x for 9 x 11 x 12 x Chn will be able to use commutative law from knowledge of 1 x 2 x 5 x 10 x 3 x	Numicon 7's to show the increase of 7 each time Tens frames to add 7 each time to support with subitising. Show arrays with numicon for repeated addition e.g. $3 \times 7 = 7 + 7 + 7$	Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles	TT rockstars class battles Class questions Quick fire questions Whiteboard AFL
8 x	Landmark numbers 1 x 5 x 10 x Double 4 x to find the 8 x table Use 10 x for 9 x 11 x 12 x Chn will be able to use commutative law from knowledge of 1 x 2 x 5 x 10 x 3 x 4 x	Numicon 8's to show the increase of 8 each time Tens frames to add 8 each time to support with subitising. Show arrays with numicon for repeated addition e.g. $3 \times 8 = 8 + 8 + 8$	Learn 1 x through to 12 x Count forwards and backwards in 1 x Missing numbers Learning landmark answers first Learning doubles	TT rockstars class battles Class questions Quick fire questions Whiteboard AFL

9 x	<p>Landmark numbers 1 x 5 x 10 x</p> <p>Pupils will know 2 x 3 x from prior knowledge</p> <p>Double 2 x for 4 x</p> <p>Double 4 x for 8 x</p> <p>Use 5 x for 6 x 7 x</p> <p>Use 10 x for 9 x 11 x 12 x</p> <p>Chn will be able to use commutative law from knowledge of 1 x 2 x 5 x 10 x 3 x 4 x 6 x 7 x 8 x</p>	<p>Numicon 9's to show the increase of 9 each time</p> <p>Tens frames to add 9 each time to support with subitising.</p> <p>Teach the 9 x table trick using hands.</p> <p>Show arrays with numicon for repeated addition</p> <p>e.g. <math>3 \times 9 = 9 + 9 + 9</math></p>	<p>Learn 1 x through to 12 x</p> <p>Count forwards and backwards in 1 x</p> <p>Missing numbers</p> <p>Learning landmark answers first</p> <p>Learning doubles</p>	<p>TT rockstars class battles</p> <p>Class questions</p> <p>Quick fire questions</p> <p>Whiteboard AFL</p>
11 x	<p>Landmark numbers 1 x 5 x 10 x</p> <p>Pupils will know 2 x 3 x from prior knowledge</p> <p>Double 2 x for 4 x</p> <p>Double 4 x for 8 x</p> <p>Use 5 x for 6 x 7 x</p> <p>Use 10 x for 9 x 11 x 12 x</p> <p>Chn will be able to use commutative law from knowledge of 1 x 2 x 5 x 10 x 3 x 4 x 6 x 7 x 8 x 9 x</p>	<p>Base 10 to show representing the number in tens and ones as a 2 digit number.</p> <p>Show arrays with base 10 for repeated addition</p> <p>e.g. <math>3 \times 11 = 11 + 11 + 11</math></p>	<p>Learn 1 x through to 12 x</p> <p>Count forwards and backwards in 1 x</p> <p>Missing numbers</p> <p>Learning landmark answers first</p> <p>Learning doubles</p>	<p>TT rockstars class battles</p> <p>Class questions</p> <p>Quick fire questions</p> <p>Whiteboard AFL</p>
12 x	<p>Landmark numbers 1 x 5 x 10 x</p> <p>Chn will be able to use commutative law from knowledge of 1 x 2 x 5 x 10 x 3 x 4 x 6 x 7 x 8 x 9 x 11 x</p>	<p>Chn should know 12 x from all prior knowledge of the times table covered.</p> <p>Show arrays with base 10 for repeated addition</p> <p>e.g. <math>3 \times 12 = 12 + 12 + 12</math></p>	<p>Learn 1 x through to 12 x</p> <p>Count forwards and backwards in 1 x</p> <p>Missing numbers</p> <p>Learning landmark answers first</p> <p>Learning doubles</p>	<p>TT rockstars class battles</p> <p>Class questions</p> <p>Quick fire questions</p> <p>Whiteboard AFL</p>