Multiplication Tables Teaching Plan at Potten End Primary School

The National Curriculum expectation for Primary Schools across the UK is that, by the end of Year 4, pupils are capable of **recalling** all 12 times tables up to 12x12.

With this in mind, we have created this document to ensure that all pupils at Potten End Primary School are capable of this by Year 4. This document includes the expectation for each Year group for each term, as well as ideas to support learning.

These expectations will inform teaching and learning as well as homework. The children's recall will be assessed weekly from Year 2 to Year 4 with a focus on recalling at speed.

Reception	
Spring and Summer	Count in 2s up to 24. Count in 5s up to 60. Count in 10s up to 100.
Ideas to support learning: • Count pairs of objects • Count straws bundled in tens • Sing counting songs • Pictorial representations on display • Numbots: www.numbots.com	

Year 1	
Autumn 1 and 2	Count in 2s up to 24, linking with even numbers and supporting doubles. Count in multiples of 10 in order up to 120.
Spring 1 and 2	Focus on counting in multiples of 5 up to 60, linking with knowledge of counting in 10s. Continue to develop fluency of counting in 2s and 10s.
Summer 1	Count in multiples of 10, 2 and 5 in order with growing fluency.
Summer 2	Count in multiples of 10, 2 and 5 in order fluently.
Ideas to support learning: • Count pairs of objects • Count straws bundled in tens • Sing counting songs • Hundred square • Number lines • Pictorial representations on display • Numbots: www.numbots.com	

Year 2	
Autumn 1	Consolidate counting in steps of 2, 5 and 10 in order from 0 up to 12x.
Autumn 2	Count in steps of 2 and 5 from 0 up to 12x fluently.

	Recall multiples of 10 up to 12x10 in any order, including missing numbers and related division facts with growing fluency.
Spring 1	Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts. Recall multiples of 10 up to 12x10 fluently.
Spring 2	Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts. Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts with growing fluency.
Summer 1	Count in multiples of 3 to 12x3 in order from 0. Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts fluently. Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts with growing fluency.
Summer 2	Count in multiples of 3 to 12x3 in order from 0 with growing fluency. Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts fluently.
Ideas to support learning: • Counting objects in groups of 2, 5, 10 & 3 • Sing counting songs • Hundred square • Number lines • Array with concrete resources • Pictorial representations on display • TT Rock Stars: www.ttrockstars.com Optional websites which offer free tasks or subscriptions: • Matific: http://bit.ly/Matific_ • Maths Frame: http://bit.ly/Maths_Frame_ • Hit the Button: http://bit.ly/Hit_The_Button • Maths Splat App: http://bit.ly/Maths_Splat_App • Maths Sumo App: http://bit.ly/Maths_Sumo_App	

Year 3	
Autumn 1	Count in multiples of 3 to 12x3 in order from 0 fluently.
Autumn 2	Recall multiples of 3 up to 12x3 in any order, including missing numbers and related division facts with growing fluency. Count in multiples of 4 to 12x4 in order from 0 with growing fluency. Introduce (relating to x4) and begin to count in multiples of 8 from 0 to 12x8.
Spring 1	Recall multiples of 3 up to 12x3 in any order, including missing numbers and related division facts fluently. Count in multiples of 4 to 12x4 in order from 0 with fluently. Count in multiples of 8 to 12x8 in order from 0 with growing fluency.
Spring 2	Recall multiples of 4 up to 12x4 in any order, including missing numbers and related division facts with growing fluency. Count in multiples of 8 to 12x8 in order from 0 fluently.
Summer 1	Recall multiples of 4 up to 12x4 in any order, including missing numbers and related division facts fluently. Recall multiples of 8 up to 12x8 in any order, including missing numbers and related division facts with growing fluency.

Summer 2	Recall multiples of 8 up to 12x8 in any order, including missing numbers and related division facts fluently.

<u>Ideas to support learning:</u>

- Counting objects in groups of 3, 4 and 8
- Hundred square
- Number lines
- Array with concrete resources
- Pictorial representations on display
- TT Rock Stars: www.ttrockstars.com

<u>Optional websites which offer free tasks or subscriptions:</u>

- Matific: http://bit.ly/Matific_
- Maths Frame: http://bit.ly/Maths_Frame_
- Hit the Button: http://bit.ly/Hit_The_Button
- Maths Splat App: http://bit.ly/Maths_Splat_App
- Maths Sumo App: http://bit.ly/Maths_Sumo_App

Year 4	
Autumn 1	Recall multiples of 3,4 and 8 up to 12x in any order, including missing numbers and related division facts fluently. Fluently count in 6's in order up to 12x6, using multiples of 3 to support.
Autumn 2	Recall multiples of 6 in any order, including missing numbers and related division facts with growing fluency. Fluently count in 7's in order up to 12x7.
Spring 1	Recall multiples of 6 in any order, including missing numbers and related division facts fluently. Recall multiples of 7 in any order, including missing numbers and related division facts with growing fluency.
Spring 2	Recall multiples of 7 in any order, including missing numbers and related division facts fluently. Fluently count in 9's in order up to 12x9. Fluently count in 11's in order up to 12x11.
Summer 1	Recall multiples of 9 in any order, including missing numbers and related division facts with growing fluency (using 10x and adjusting by 1 group to find 9x as a strategy) Recall multiples of 11 in any order, including missing numbers and related division facts fluently. Fluently count in 12's in order up to 12x12.
Summer 2	Recall multiples of 9 in any order, including missing numbers and related division facts fluently. Recall multiples of 12 in any order, including missing numbers and related division facts with growing fluency (using 10x and adjusting by adding 2 more groups).

<u>Ideas to support learning:</u>

- Counting groups of objects
- Hundred square
- Number lines
- Arrays with concrete resources
- Pictorial representations on display
- TT Rock Stars: www.ttrockstars.com

<u>Optional websites which offer free tasks or subscriptions:</u>

- Matific: http://bit.ly/Matific_
- Maths Frame: http://bit.ly/Maths_Frame_
- Hit the Button: http://bit.ly/Hit_The_Button
- Maths Splat App: http://bit.ly/Maths_Splat_App
- Maths Sumo App: http://bit.ly/Maths_Sumo_App

<table>
<tr><th colspan="2">Year 5 and 6</th></tr>
<tr><td>Autumn 1</td><td rowspan="6">Recall multiples of 12 in any order, including missing numbers and related division facts fluently.
Recall multiples of all times tables up to 12x12 in any order, including missing numbers and related division facts with growing fluency.</td></tr>
<tr><td>Autumn 2</td></tr>
<tr><td>Spring 1</td></tr>
<tr><td>Spring 2</td></tr>
<tr><td>Summer 1</td></tr>
<tr><td>Summer 2</td></tr>
<tr><td colspan="2">Ideas to support learning:
• Counting groups of objects
• Hundred square
• Number lines
• Arrays with concrete resources
• Pictorial representations on display
• TT Rock Stars: www.ttrockstars.com
Optional websites which offer free tasks or subscriptions:
• Matific: http://bit.ly/Matific_
• Maths Frame: http://bit.ly/Maths_Frame_
• Hit the Button: http://bit.ly/Hit_The_Button
• Maths Splat App: http://bit.ly/Maths_Splat_App
• Maths Sumo App: http://bit.ly/Maths_Sumo_App</td></tr>
</table>