St.Peter's C.E. Primary School



Multiplication Tables Policy

<u>2020-2021</u>

Updated: February 2020

To be reviewed: February 2021

1John 3:18 Dear children, let us not love with words or speech but with actions and in truth

Multiplication Tables Policy

Times Tables are at the heart of mental arithmetic which in itself helps form the basis of a child's understanding and ability when working with number. Once the children have learnt the times tables and related divisions by heart, they are able to work far more confidently – and efficiently – through a wide range of more advanced calculations. At St. Peter's, we believe that through a variety of interactive, visual, engaging and rote learning techniques, most children can achieve the full times tables knowledge required by the end of Year 4.

<u>Aims</u>

1. To raise the profile of the teaching of times tables and to raise overall knowledge of the times tables and related division facts across the school.

2. To explain the expected practices, to ensure children learn their times tables.

3. To ensure continuity in practices and progression in times tables.

4. To ensure there is successful teaching and learning of times tables and related divisions within our school.

5. To develop our knowledge of language associated with times tables: 'times', 'lots of', 'multiplied by', and 'group of', 'multiplier', 'multiplicand', 'product'.

Step 1	Order of introduction.	See below				
Step 2 Step 3	Use of the concrete, pictorial , abstract approach Introducing new times tables Introduce a new times table by building it around known facts	Before learning tables, children need to understand times tables in context – a variety of concrete and pictorial resources will be required to see grouping objects as repeated addition. Resources such as numicon, diennes, multi-link cubes, real objects to group and count, arrays of pictures and number link boards will be used.Use songs and rhymes to support the learning of times tables • Percy Parker • Number FunWe have learned the 2,3,4,5 and 10 times tables. We already know some of the facts from the 8 times table. What are they?Known factsFacts to learn0 x 8 = 8 1 x 8 = 8 2 x 8 = 16 3 x 8 = 24 4 x 8 = 32 1 1 x 8 = 88 5 x 8 = 40 10 x 8 = 80				
	Commutative law Language	Awareness and understanding of commutative law $6 \times 4 = 24$ $4 \times 6 = 24$ Always use language associated with times tables: 'times', 'lots of' ,				
	Language	'multiplied by', and 'group of', 'multiplier', 'multiplicand', 'product'.				

Step 4	Opportunities to practise times tables- multiplication and division facts. Opportunities to practise times tables- multiplication and division facts. Opportunities to practise times tables- multiplication and division facts.	Tables to be practised at the start of every maths lesson Times table sheets-sent home weekly Times table sheets-practised in class weekly Times Table Rock Stars (tables to be set by class teacher) Hit the Button In order Out of order Product first In order Out of order Quotient first 		
Step 5	Explore patterns in times tables.	Ensure children engage with 'rich' tasks/investigations linked to times tables which encourage deeper learning, greater levels of reasoning, links to be made and patterns to be discovered.		
Step 6	Application	Provide opportunities for pupils to apply their knowledge		

Order of introduction

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Count	Count in 3s	Count in 3s, 4,	Count in 6s, 7s,	Continue to	Continue to
in 2s,		8s, 50s and	9s, 12s 25s	revise	revise
5s, 10s		100s		multiplication	multiplication
				tables up to 12	tables up to 12 X
				X 12	12
	Multiplication	Multiplication	Multiplication	Recognise and	Continue to
	and division	and division	and division	use square	recognise and
	facts for 2, 5	facts for 3, 4	facts for 6,7,9,	numbers and	use square
	and 10	and 8	11 and 12	cube numbers	numbers and
				and the	cube numbers
				notation for	and the notation
				square and	for square and
				cubed.	cubed.

We recommend using the following apps and websites:

- TT Rockstars (all children in Year 2-6 have a log in) https://ttrockstars.com/
- Hit the Button https://www.topmarks.co.uk/maths-games/hit-the-button
- IXL maths (all children in Year 1-6 have a log in) https://uk.ixl.com