

Times Table Policy

12 X 12 Multiplication Table

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

November 2017

To be reviewed 2018

Times Tables

Introduction

Times Tables are at the heart of mental arithmetic, which in itself helps forms the basis of a child's understanding and ability when working with number. Once the children have learnt their times tables by heart, they are then able to work far more confidently- and efficiently- through a wide range of more advanced calculations. At the Viridis Federation, we believe that through a variety of interactive, visual, engaging and rote learning techniques, most children can achieve the full times table knowledge by the time they enter Year 5.

Aims

1. To raise the profile of the teaching of times tables and to raise the overall knowledge of times table 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 the successful times table teaching and learning within Orchard, Southwold and Hoxton Garden Schools.
5. To develop our language in maths and replace 'times' with 'lots of'

Times tables in the Foundation Stage and Key Stage 1

In Reception:

I can count in steps of 2
I can count in steps of 10
I can count in steps of 5

In Year 1:

I can count in steps of 5
I know my 2 times table
I know my 10 times table

In Year 2:

I know my 5 times table
I know my 3 times table
I know my 4 times table

Times Tables in Key Stage 2

In Year 3:

- I know my 6 times table
- I know my 8 times table
- I know my 11 times table

In Year 4:

- I know 9 times table
- I know my 7 times table
- I know my 12 times table

In Year 5 and 6:

- **Regular** consolidation of **all** times tables

Children will be assessed every half term for their times table progression, using the tracker on Excel.

Requirements for satisfying the 'I can' statement.

- To know a times table, the child must be able to recall the times table fact **instantly**
 - If they need to count on/count up in 7's to reach 4×7 , they do not **know** their 7 times table. They are able to count on in 7's.
- To count on in a number, the children are required to count on in **quick succession**.
 - If the child has to count on in 1's to reach the next 5, the child is unable to count on in 5's.

Teaching Time tables

It is expected that times tables are visited on a daily bases throughout the school. A range of activities need to be used, to provide a suitable learning style for all children.

- Counting sticks
- Chanting
- Games – dice rolling, pass the ball/bag, times table board games
- Times table grids
- IWB games/challenges

Differentiation

It is expected that children will be at varying stages in their times table journey. In KS1 it is very important that less able children have extra support in developing an understanding of the concept of 'lots of' before moving on to rote learning of any times tables. If children are confident in the times tables allocated for their year group, they must be moved on to the times tables from the years above. If they have not yet achieved the target tables for their year groups, they must work of the tables for the year group below.

Once children are able to recall all their times tables facts, they need to be extended through place value, related number facts and real life problem solving/problems in context.

Homework

Children need to be sent home times table homework on a regular basis. This can be in the form of times table 'challenges', identifying times table patterns, practicing with parents or listening to Times Tables songs on Mathletics, to name a few.

Application of times tables in calculation

Children's growing understanding of times tables are only relevant if they are aware of their application in calculations and real life. In order to do this, children should be using recall of times tables when needed in calculations. This awareness can be created in several ways

- Highlighting when times tables are being used during modelling
- Discussion of how they are being applied during problem solving
- Inclusion of real life examples of times table application
- Practicing times tables on a daily basis
- Marking –identifying where errors have been made, due to incorrect calculating.

Times Tables on Display

Times tables should be on display at the front of all classrooms, for children to use as support and reference. In KS1, 2,5,10,3 and 4 should be display. In KS2 the 4-12 times tables should be available for children. The display must be large enough for all children to see and on [table top resources](#) where used.