

Times Table POLICY

INTENT:

At Greenfield Primary and Nursery School we believe that multiplication tables form the basis of the majority of work in KS2. Without secure knowledge and rapid recall of the multiplication facts, topics such as division, fractions, ratio and larger multiplications can become very tricky. Being able to rapidly recall multiplication facts is of great value and helps children spot patterns and links more easily. Our main aim at Greenfield Primary School is to make sure that all children, by the end of year 4, know every multiplication fact up to 12 x 12 off by heart and the corresponding division facts. To ensure this happens we have the following aims:

1. To raise the profile of the teaching of times tables across the school by using Times Table Rockstars
2. To ensure continuity in practices and progression in times tables.
3. To ensure the successful times table teaching and learning within our school and praise and reward children for achievements in this specific area.

IMPLEMENTATION:

The following clearly states when each times table will be taught, this sequence is in line with the White Rose units of work and allows for lots of consolidation of each times table:

Year 1

Autumn 1 – counting in 10s

Autumn 2 – counting in 2s

Spring 1 – Chanting 10 x tables

Spring 2 – Chanting 2 x tables

Summer 1 – Starting recall of 10 x tables using pattern spotting

Summer 2 – Starting recall of 2 x tables using doubles

Year 2

Autumn 1 - Recall of 10 x tables and corresponding division facts

Autumn 2 - Recall of 2 x tables and corresponding division facts (link to doubles and halves)

Spring 1 – Counting in 5s and chanting 5x tables & recall of 5x tables and corresponding division facts

Spring 2 – Develop rapid recall of 2, 5 and 10 x tables and corresponding division facts

Summer 1 – Develop rapid recall of 2, 5 and 10 x tables and corresponding division facts

Summer 2 – Develop rapid recall of 2, 5 and 10 x tables and corresponding division facts

Year 3

Autumn 1 - Recap of 2, 5 & 10 x tables and corresponding division facts

Autumn 2 - Recall of 3, 4 and 8 x tables and corresponding division facts

Spring 1 – Use 2,5,10,4,8, & 3x tables in TUxU (times tables lists provided for other digits - 6,7 and 9)

Spring 2 – Quickly recall 2,5,10,4,8, & 3x tables and corresponding division facts

Summer 1 – Quickly recall 2,5,10,4,8, & 3x tables and corresponding division facts

Summer 2 – Quickly recall 2,5,10,4,8, & 3x tables and corresponding division facts and highlight tables now learnt and look at commutivity and how this means there are very few tables facts which they do not yet know.

x	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6						6x6	6x7		6x9		6x11	6x12
7						7x6	7x7		7x9		7x11	7x12
8												
9						9x6	9x7		9x9		9x11	9x12
10												
11						11x6	11x7		11x9		11x11	11x12
12						12x6	12x7		12x9		12x11	12x12

Year 4

Autumn 1 – Recap on rapid recall of 2,3,4,5,8 and 10x tables and corresponding division facts

Autumn 2 - Recall of 6, 9 and 7x tables and corresponding division facts

Spring 1 – Recall 11 and 12 x tables and corresponding division facts – Use all tables to solve TU X U and HTU X U questions and TU ÷ U and HTU ÷ U

Spring 2 – Quickly recall all x tables and corresponding division facts and use in a variety of contexts

Summer 1 – Quickly recall all x tables and corresponding division facts and use in a variety of contexts

Summer 2 – Quickly recall all x tables and corresponding division facts and use in a variety of contexts

Multiplication Check

Year 5 and 6

Children should be given the opportunity to constantly use their times tables knowledge. They should continue to use TT Rockstars in school on a weekly basis and be rewarded for achievements. TT Rockstars should still form part of their weekly homework tasks, especially for those children who did not gain 20+ in the multiplication check. TT Rockstars can also be used to set times tables beyond 12 e.g. 13, 14....

The TT Rockstars ‘Sound Check’ function and the written 60 question sheets should be used to regularly assess and identify children who may still need additional support and intervention with their tables. These children should be given time with a TA to look at patterns, list tables, use related, known and near facts and play on TT Rockstars or Hit the Button. They should also be provided with a list of times tables in lessons so that their lack of recall does not hinder their progress in other areas of maths e.g. learning the formal methods for multiplication and division, understanding, factors and fractions.

As well as dedicated lessons to certain times tables (White Rose scheme of work) it is important that children are given regular opportunities to learn and practise their times tables. Access to Times Table Rockstars is our main strategy, using both the online games, checks, (at school and home) and the printable worksheets. Our children will be taught the distinction between a ‘table’ and a list of multiples. It is vital that children learn ‘tables’, since learning lists of multiples alone does not lead to rapid recall of tables facts. Children will learn the tables facts so well that they can easily convert this to division facts. This commutative law will be highlighted using arrays and discussions around related number sentences. The following states a variety of other ways times tables will be taught at our school.

- Counting hoop, chanting tables both forwards, backwards and mixed.
- Using songs and videos
- ‘Copy-writing’ tables
- Colouring multiplication squares, finding and exploring patterns
- Quick fire games played as a class e.g. FizzBuzz, Around the World..
- Games and APPs from the internet e.g. Hit the Button.
- Justify why that fact ‘must’ be by using other related and known facts

Times tables, which are not expected to be known by heart, should be on display at the front of classrooms for children to use as support and reference. Times tables which children should have learnt by heart must not be displayed in order to ensure children retain these facts and don’t start relying on visual prompts. This will mean that some tables displayed at the start of the year may be taken down once the class have learnt the facts.

Children who need further support with their times tables should be given additional time and support to practice and learn them e.g. interventions, classroom support, differentiated work/homework. These children should also have access to table-top visual aids such as laminated lists of tables or multiplication squares.

IMPACT

Greenfield Primary School took part in the Multiplication Check.

	2021	2022	2023	2024
School	59%	53%	23%	66.7%
National	19%	27%	29%	29%

This policy will ensure that our children are expected to know, apply and use all times tables facts up to 12x12 across their mathematical learning. The Children will be confident and competent with quickly recalling these tables both orally and on computing devices in order to achieve well in the 'Times Table Check'. We will continue to perform above average in the upcoming Multiplication Check.