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Headteacher: Miss S Gray

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### **Improving Children's Times Table Recall**

Dear Parents and Carers,

As a school, we subscribe to 'Times Table Rockstars' - an online resource designed to help students develop fluency in their times tables, which are essential for success in mathematics. The ability to recall multiplication facts quickly and accurately is crucial for children to understand and learn more complex topics such as algebra, fractions and problem-solving.

Below is an outline of the National Curriculum times tables expectations for each year group:

**Year 1:**

Count in multiples of 2, 5 and 10. Recall and use doubles of all numbers to 10 and corresponding halves.

**Year 2:**

Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.

**Year 3:**

Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

**Year 4:**

Recall multiplication and division facts for multiplication tables up to 12 x 12.

**Year 5:**

Revision of all times tables and division facts up to 12 x 12.

**Year 6:**

Revision of all times tables and division facts up to 12 x 12.

Therefore, we would expect your child to know their 12 x 12 times tables before they leave Year 4, with Years 5 and 6 providing opportunities for consolidation and revision.

### **What can you do to help your child learn their times tables?**

A multiplication square, like the one shown below, can be useful for spotting patterns in times table, for practice and for examining the inverse relationship between multiplication and division. For example,  $9 \times 8 = 72$ , therefore  $72 \div 8 = 9$  (This can be shown visually using the square).



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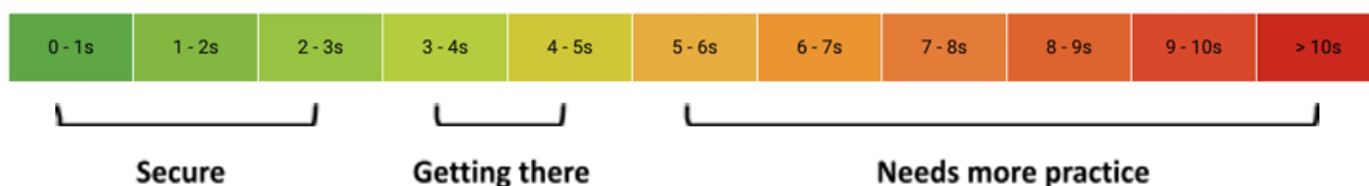


X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72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

As a school, we also subscribe to the Times Table Rockstars learning platform. This provides us and parents with access to a range of resources and apps for home learning.

The Times Tables Rockstars app can support home learning of times tables by testing and tracking times table learning and performance. It also offers the opportunity to play games against other users in fast-paced competitions.

In addition to the above, you can access your child's heat map online by logging in to your child's TT Rockstars account and clicking on 'Account' > 'Stats' > 'Fluency'. Their heat map shows their current recall time for each of the times tables facts. The greener the fact, the quicker their response time. Any facts shown in red or orange have response times that are slower than 5 seconds and should be practised to improve recall. The diagram below is a quick reference guide:



We would really appreciate if you would please spend some time with your child identifying which tables they need to practise and celebrating the ones they already know.

In the coming days, your child will be bringing home a reminder of their TT Rockstars username and password. In order to ensure that the children have the best possible chance, we are asking that they practice on TT Rockstars for a **minimum of 30 minutes weekly** using both the 'Studio' and 'Garage' games. These games have been chosen specifically because they are very similar in style and format to the online MTC assessment the children sit in Year 4.

We look forward to watching your child's progress, which will be monitored by their class teacher.

As always, if you have any questions, please do speak to your child's class teacher.





Kind regards,

Mrs Lockwood

Maths Subject Leader



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