

# North Road Community Primary School North Road Yate, South Glos BS37 7LQ Tel: 01454 867788

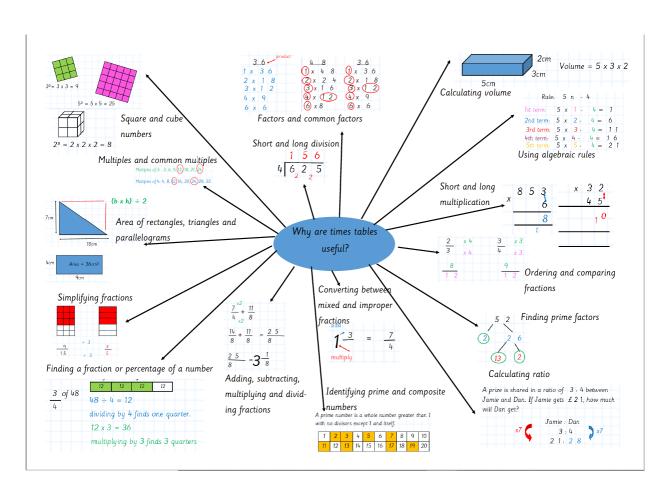


E-mail: <u>northroadprimary@sgmail.org.uk</u> http://www.northroadprimaryschool.co.uk

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Dear parents / carers,

Times Tables are essential when learning many new maths skills and concepts from the national curriculum, especially in Y5/6 as shown below:



Not knowing your times tables puts additional strain on your working memory when tackling such new concepts in maths. This will hinder the long-term transition of the new facts to the long-term memory.

The goal is instant recall, and the National Curriculum expectation is that, by the end of Year 4, pupils should be able to recall all 12 times tables, up to 12 x 12. We aim for  $\underline{\mathbf{all}}$  year 4 pupils to reach this age-related expectation and these children are then able to use these skills to multiply larger numbers efficiently in year 5 and 6.

Children begin by learning to jump count, looking for and describing patterns in numbers. They then link repeated addition to multiplication and begin to build known facts, recognising the commutative law (i.e. that  $10 \times 3$  is the same as  $3 \times 10$ ). These known facts and counting strategies are then used to derive unknown facts, which are fluently recalled with enough practise. Finally, children begin to apply these skills to multiply larger numbers.

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To support our children at North Road to learn, recall and retain the times table facts, we teach the tables in the following order:

Reception	Counting in 2's
Year 1	Counting in 2's / 10's / 5's and recall 10's
Year 2	Recall 2's / 10's / 5's and begin to recall 3's and 4's
Year 3	Multiply and divide by 10, Recall 3's/4's/8's/6's. Begin to recall 12's.
Year 4	Recall 7's/9's/11's/12's (All children to know all facts up to 12 x 12)
Year 5 and	Recall all times tables up to 12 x 12
throughout	Develop fluency in multiplication, using efficient methods and recognising
Year 6	the properties of multiples. For example:
	<ul> <li>Multiply and divide by 10, 100 or 1000 fluently using place value.</li> </ul>
	<ul> <li>Multiply by 10 and halve to multiply large numbers by 5.</li> </ul>
	<ul> <li>Double and double again to multiply large numbers by 4.</li> </ul>
	Multiply by 10 and subtract one group to multiply large numbers by
	9.
	<ul> <li>Recognise large multiples of 3 and 6 using the digital root.</li> </ul>
	<ul> <li>Apply knowledge of times tables to multiply multiples</li> </ul>
	<ul> <li>Multiply 3 numbers efficiently using jottings e.g. 4 x 7 x 9 =</li> </ul>
	<ul> <li>Apply knowledge of all times tables in long multiplication.</li> </ul>

We use a variety of methods and strategies to support all learners within our classrooms and, alongside the daily teaching and practise, the following applies in each class:

## Mars Class

Super Hero Quizzes – A dialogue between class teacher and parent will inform when a child is ready to take on a Super Hero. These quizzes will no longer take place at the end of term but instead can be undertaken at any point throughout the year. Once a child is successful in recalling a times-table, they will be awarded a badge to wear. Children wearing these will feel a sense of pride to know their table facts. A child wearing a badge can then be asked to recall a fact at any point by a member of staff.

#### <u>Neptune</u>

Instead of Super Hero Quizzes. Children will complete a 10 random question quiz with a focus on a table (unique to your child). The children will be able to check their answers and receive instant feedback. Once a child in Neptune is proficient in a table, they will be awarded a badge as above.

## <u>Jupiter</u>

To ensure rapid recall of facts is retained the children will undertake a weekly grid test. They must complete as much of the grid as they can within a certain time. As in Neptune class, answers and feedback will be instant to the child.

### How can I support my child at home?

Please support your child with their Maths Homework by providing access to the Times Table Rock Stars APP / online platform. We recommend a little and often approach, 5 minutes, 4 to 5 times per week. Times Table Rock Stars is an online resource for your child to practise their tables and importantly their speed of recall. The more practise they have the more confident they become.

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Within KS1, each child is set up on automatic training mode that calculates, through algorithms, when your child is ready to move onto the next table.

A weekly lunchtime club is available for children who wish to do some extra practise within school time or who have access difficulties at home.

TTRS is available for all children Year 2 upwards and for Year 1's in Terms 5 and 6.

From Y3 to Y6, your child's class teacher will set the tables for your child to practise. This will include previous tables, already considered to be secure, as well as new learning.

Accompanying this letter, is a booklet with further ideas for supporting your child at home with their times tables. We hope you find it useful.

If you have any queries about the times tables your child is learning, please speak to your child's class teacher, who will be able to help you.

Yours sincerely
Miss Hobbs and Mrs Daone
Maths Subject Leaders

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