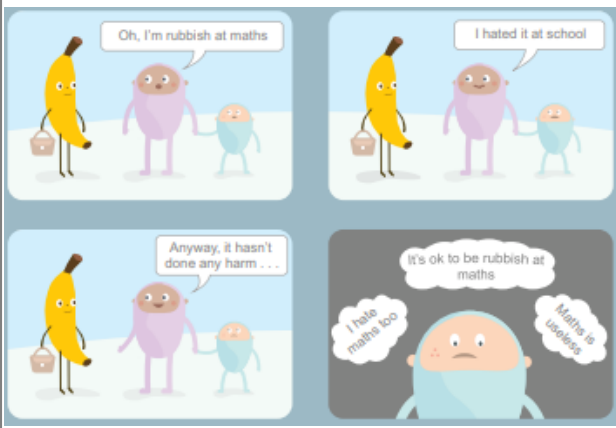# Maths in Year 3

At Errington Primary School our aim is to work in partnership with you to enhance your child's progress and enjoyment of maths. This leaflet is an aid to help you to support your child to develop their understanding of the range of maths concepts and offer ideas of fun activities to engage and enhance your child's love of maths.

Maths at home

Many parents find the prospect of helping their children with maths quite daunting, even if they are good at it. Always try to remain positive about maths when supporting your child. Studies have shown those with a negative attitude towards maths go on to make less progress. Parents can make a huge difference with this. Speaking positively and making maths fun by playing math games will help your child have a positive attitude towards maths. This leaflet has been created to help parents support their child in maths.

What did our pupils say?

I like that there is no end to numbers so if you know a question, there is always one trickier.

I like learning my times tables and playing on TT rock Stars.

I like learning all the different operations.

Supporting your child at home with maths

Year 3

"The only way to learn mathematics, is to do mathematics."

#MathsEveryoneCan

In Y3 we will learn to:

- Count in multiple of 4, 8, 50 and 100.
- Add and subtract 3-digit numbers.
- Calculate number pairs to the next hundred. (138 + ___ = 200)
- Multiply and divide a 2-digit number by a 1-digit number.
- Add and subtract fractions with the same denominator.
- Tell the time to the nearest minute including clocks with Roman numerals.
- Interpret and present data in charts pictograms and tables.

Calculation Methods

Place Value

Children will use 'Part Whole Models' and 'Place Value Grids' to enable them to partition numbers into thousands, hundreds, tens and ones to give them a secure understanding of place value.

Thousands	Hundreds	Tens	Ones

Thousands	Hundreds	Tens	Ones

Addition

Children will use dienes and place value counters to support adding two 3-digit numbers before moving onto the formal method.

$$265 + 164 = 429$$

Subtraction

Children will use dienes and place value counters to concretely see and understand subtraction before using the column method.

$$435 - 273 = 262$$

First start with the ones column. 5 - 3 = 2. Then the tens (30 - 70). As 30 cannot take away 70, we exchange a hundred for ten tens (this is written as a 1 above the tens column), meaning we now have 13 tens (130) - 7 tens (70) which equals 6 tens (60). Lastly we subtract the hundreds (300—200).

Multiplication and Division

Children will begin to multiply 2-digit numbers by 1-digit numbers.

X	30	6
4	120	24

	H	T	O	
×		3	4	
			5	
		2	0	(5 × 4)
+	1	5	0	(5 × 30)
	1	7	0	

Children will use place value counters to explore division. 52 ÷ 4 =

Fun Activities to do at home

Times table Facts - Roll two dice and multiply. How quickly can you recall your times tables?

Create a Shop - Make a shop with varied prices on. Choose two items in the shop. Can your child add them together? Can they work out the change from £5?

What time is it Mr Wolf? - Play what time is it Mr Wolf using a clock.

Multiplication Ball - Count in 3s, 4s and 8s as you pass the ball back and forth.

Number Games - Roll two dice to make a 2-digit number. E.g. 6 and 4 would make 64. Can your child double/half the number? Can they times the number by 3? Can they count up/backwards in tens from that number?

Useful websites

Maths is a vital life skill. It helps children to understand number, solve problems and develop logical thinking. Just like reading, it is important to practice maths at home to ensure children have a secure knowledge and understanding. Here are many sites that you can go on to help your child.

- https://play.numbots.com/#/intro
- https://www.topmarks.co.uk/
- https://whiterosemaths.com/resources/1-minute-maths#download
- https://www.mathsisfun.com
- https://ttrockstars.com/