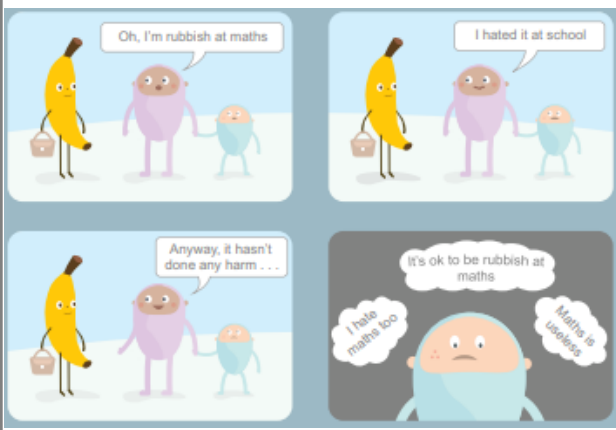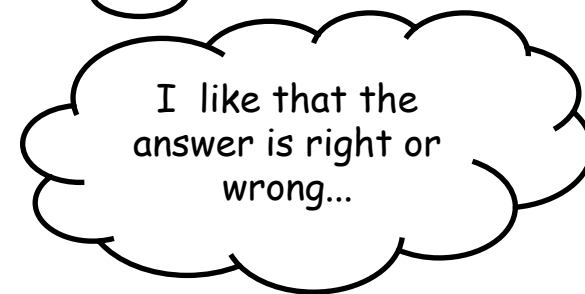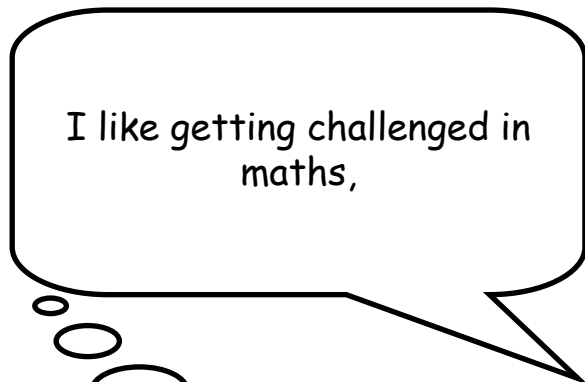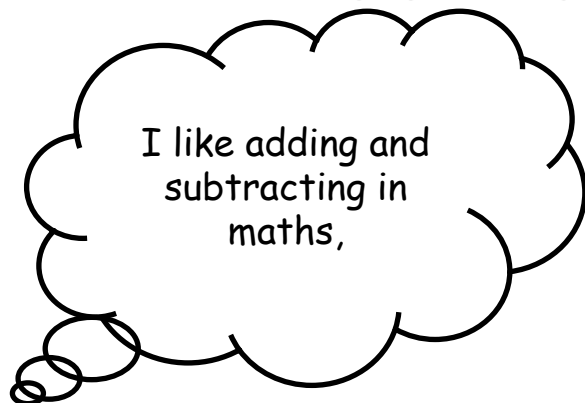# Maths in Year 4

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 adding and subtracting in maths,

I like getting challenged in maths,

I like that the answer is right or wrong...

Supporting your child at home with maths

Year 4

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

#MathsEveryoneCan

In Y4 we will learn to:

- Recall all tables up to 12 x 12.
- Add and subtract 4-digit numbers.
- Calculate number pairs to the next hundred. (138 + ___ = 200)
- Multiply and divide a 2/3-digit number by a 1-digit number.
- Add and subtract fractions with the same denominator.
- Convert time between 12 and 24 hour clocks.
- Find the area of shapes.
- Describe coordinates on a grid.

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 along side the written method.

Thousands	Hundreds	Tens	Ones

$$1378 + 2148 = 3526$$

Subtraction

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

$$4357 - 2735 = 1622$$

Thousands	Hundreds	Tens	Ones

Thousands	Hundreds	Tens	Ones

Multiplication

X	30	6
4	120	24

24 × 3 = 72

	H	T	O
	2	4	5
×			4
	9	8	0
	1	2	

Children will begin to multiply 2/3 digit numbers by a 1-digit number.

Division

Children will use place value counters to divide 3-digit numbers by a 1-digit number. They will explore sharing the counters into a grid alongside the written method.

$$844 ÷ 4 = 211$$

	2	1	4
4	8	5	¹6

H	T	O

Fun Activities to do at home

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

Shopping - Get your child to work out the total cost of items you are buying. Can they tell you how much change you will get?

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

Multiplication Ball - Choose a number to count in as you pass the ball.

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/