



Griffe Field Primary School

Year 3 - Maths non – negotiables

The non – negotiables are generally the essential elements and basics of maths that are crucial for children’s mathematical learning and progression.

Knowledge of number facts and fluency in them are a vital part of maths for each year group. Rapid recall of number facts can provide the basic knowledge required for most aspects of primary mathematics, including mental and written calculations, fractions, decimals, percentages and problem solving. Knowing and using number facts can help support children’s understanding and progression in Maths.

I can	Maths non - negotiables	Date
Number and Place Value	I can count from 0 in multiples of 2, 4, 8, 50 and 100.	
	I can calculate 10 or 100 more or less than a number up to 1000.	
	I can calculate the value of each digit in a 3-digit number by partitioning in different ways.	
	I can read and write numbers to at least 1000 in numerals and words.	
	I can order numbers up to 1000 using =, >, <.	
	I know the value of each digit for numbers up to 1000	
	I can count in multiples of two, fives, tens	
	I can count forwards and backwards in 4s, 10s, 15s and 100s from any number under 1000	

I can	Maths non - negotiables	Date
+ - x ÷	I know by heart addition and subtraction facts up to 50	
	I can mentally add and subtract a 3-digit number and ones e.g $457 + 9$ ($459 + 10$ minus 1),	
	I can mentally add and subtract a 3-digit number and tens e.g. $457 + 20$	
	I can mentally add and subtract a 3-digit number and hundreds	
	I can add two 2 digit numbers using column method with 'carrying' using dienes apparatus e.g $34 + 57$ ($30 + 50, 4 + 7$)	
	I can subtract two 2 digit numbers using column method with exchanging using dienes apparatus.	
	I can use efficient written methods to multiply a two digit number by a one digit number	
	I can use mental strategies to multiply a two digit tens number with a one digit number	
	I can use my knowledge of doubling to make links between 2,4,8 times table	
	I can answer quickly times table and division facts for the 2, 4, 8, 3, 6, 5, 10 and 11 multiplication tables.	
	I can do simple divisions with remainders for 2,3,4,5,10 times tables e.g. 27 divided by 5, 27 divided by 10	
	I can derive related multiplication and division facts e.g. $3 \times 2 = 6$, 6 divided by $2 = 3$ $30 \times 2 = 60$, 60 divided by $2 = 30$	
	I can solve simple one step word problems in context, deciding which of the four operations to use.	

I can	Maths non - negotiables	Date
Fractions	I can count up and down in quarters, halves and tenths	
	I can make tenths from dividing an object into 10 equal parts.	
	I can place unit fractions and non - unit fractions in order on a number line	
	I can compare and order unit fractions and fractions with the same denominator	
	I can recognise and show equivalence fractions $\frac{1}{2} = \frac{2}{4}$ using bar modelling	
	I can recognise, write and calculate fractions of a discreet amount	
	I can add and subtract fractions with the same denominator within one whole	

I can	Maths non - negotiables	Date
Measures	I can measure, compare, add and subtract lengths mm, cm, m accurately	
	I can measure the perimeter of 2 D shapes	
	I can measure, compare, add and subtract mass g, kg accurately	
	I can measure, compare, add and subtract capacity cl,l,ml accurately	
	I can add amounts up to £50.00 and give change from £20.00	
	I know the number of seconds in a minute, minutes in a hour, hours in a day, days in a week, weeks in a month, days in a month using the rhyme.	
	I know the number of days in a year and days in a leap year.	
	I can read both analogue and digital time on a 12 hour clock (to nearest 5 mins)	
	I know the difference between a.m, p.m, noon, midday and mid night	

I can	Maths non - negotiables	Date
Shape	I can draw and name 2-D shapes: square, rectangle, circle, triangle, kite, pentagon, hexagon, heptagon, octagon	
	I can name and describe 3-D shapes, cube, cuboid, cylinder, prism, pyramid, sphere, square based pyramid, rectangular based pyramid in different orientations	
	I can make 3-D shapes using modelling materials.	
	I can identify right angles; recognise that 2 right angles make a half-turn and four make a complete turn.	
	I can say whether angles are greater or less than a right angle.	
	I can identify equilateral triangles, right angle triangle.	
	I can identify horizontal and vertical lines.	
	I can draw and measure straight lines using a ruler accurately	

