

FORMAL ROADMAP – MATHS (NUMBER)



- + Place Value within 50
- Addition and Subtraction within 20
- Multiplication and Division
- Finding half and quarter

- + Place Value of numbers to 1000
- Adding and subtracting 3 digit numbers not crossing 10s
- Adding and subtracting 2 digit numbers crossing 10s
- Multiply 2, 3, 5, 8, 10s with arrays
- Multiplication and Division of 2 digit by 1 digit
- Fractions finding equivalent, compare and order, add

- + Finding Place Value of numbers to 1 million
- Adding and subtracting with exchanging
- Finding multiples of 10, 100 and 1000
- Add and subtract fractions
- Multiply and divide 2, 3 and 4 digit numbers
- Improper and mixed number fractions
- Find equivalent Fractions, decimals and percentages
- Add and subtract decimals
- Negative numbers

- + Sequences (Linear and non linear, term to term, next term)
- Understand and use algebraic notation
- Simplify, solve and like and unlike terms
- Fractions, decimal and percentage - equivalence, adding & subtracting / amounts
- Solving problems with whole and decimal numbers with 4 operations
- Operations and equations with directed number
- Prime numbers and proof (HCF and LCM)

STAGE 1

STAGE 2

STAGE 3

STAGE 4

STAGE 5

STAGE 6

STAGE 7

STAGE 8

STAGE 9

- + Place Value numbers to 100
- Addition and Subtraction bonds to 100
- Addition and subtraction with 2 2 digit numbers not crossing 10s
- Multiplication and Division 2, 5, 10 and finding arrays and doubles
- Fractions finding $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$

- + Rounding, negative numbers and partitioning to 1000
- Add and subtract 2 4 digit numbers crossing 10s
- Multiply and divide by 10 and 100, 3, 6, 9, 7, 11 & 12 and factors
- Finding tenths, equivalent fractions, counting in fractions)
- Calculating with fractions
- Solving problems with tenths and hundredths
- Write, order, compare and round decimals

- + Place Value of numbers beyond 1 million
- Solve problems with order of operations and mental calculations
- Solve short and long division, common factors and common multiplies
- Add, subtract, multiply, divide fractions
- Find fraction of amount
- Equivalent, simplify and mixed number to improper fractions
- Solve problems with ratio and scale
- Algebra and Substitution
- Rounding, multiplying and dividing decimals

- + Multiplying and dividing fractions
- Algebraic expression, solve problems with algebraic brackets
- Positive and negative powers and standard form

- + Equations, formulae and inequalities
- Factors, multiplies, primes, binomials, algebra
- Reverse percentage problems, percentage change

EXIT PATHWAY

Following on from this pathway pupils will move on to Functional Skills Maths or GCSE Maths qualifications, where they will continue to refine their ability to apply all areas of the maths curriculum to a variety of real-world contexts. These skills are essential for engaging with everyday life and preparing for future employment.

The skills acquired through this pathway are highly transferable—enhancing performance across all curriculum areas and supporting pupils to engage confidently and independently in wider life. Ultimately, this supports our young people with autism in becoming successful, empowered, and self-reliant adults.

