The belief that every pupil can succeed in mathematics, regardless of background and prior attainment, is fundamental to Mathematics Mastery, the programme we follow for in KS3 mathematics. Pupils will develop a depth of understanding of the basic skills and prerequisites needed within mathematics.
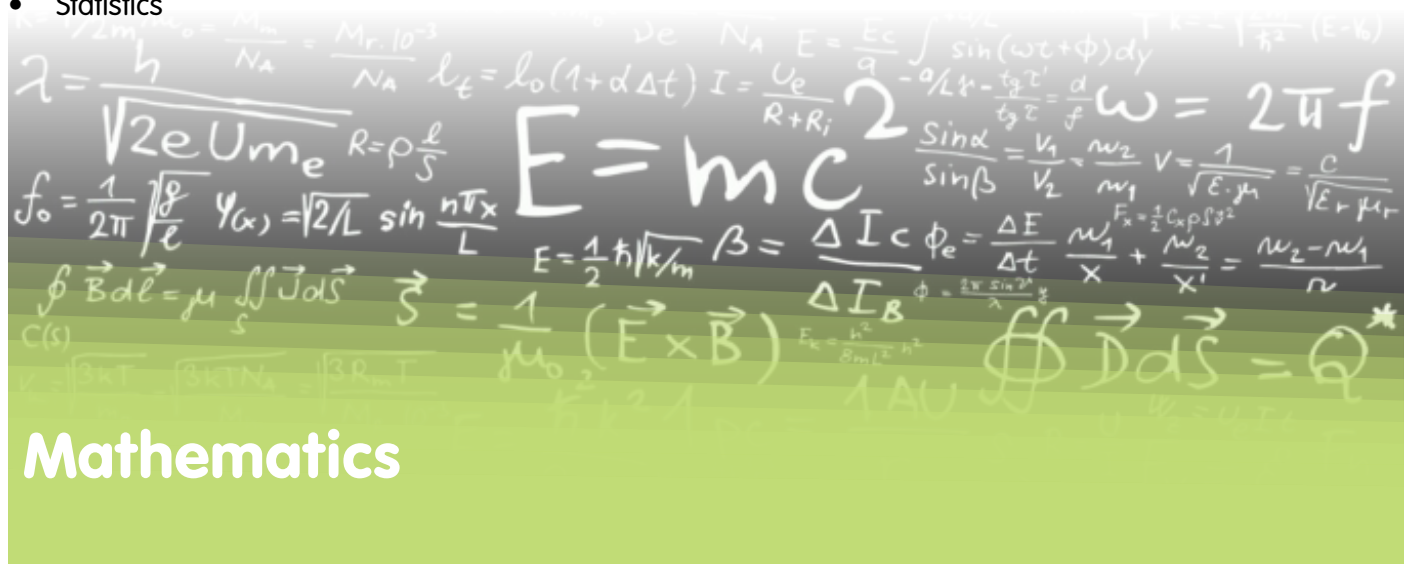
Year 7
Units:
- Place Value
- Addition and subtraction
- Addition and subtraction of decimals
- Multiplication and division
- Working with units
- Angles
- Triangles and quadrilaterals
- Symmetry and tessellation
- Understand and use fraction
- Fractions of amounts
- Multiplying and dividing decimals
- Order of operations
- Introduction to algebra
- Algebraic generalisation project
- Percentages
- Handling data

Year 8
- Primes and factorising
- Add and subtract fraction
- Positive and negative numbers
- Sequences, expressions and equations
- Triangles, quadrilaterals and angles in parallel lines
- Length and area: Rallelograms and trapezia
- Percentage change
- Ratio and rate
- Rounding
- Circumference and area of a circle
- 3D shapes and nets
- Surface area and volume
- Statistics

Mathematics

Year 9

- Number and the number system
- Calculating
- Checking, approximating, and estimating
- Visualising and constructing
- Algebraic proficiency
- Exploring fractions, decimals, and percentages
- Proportional reasoning
- Pattern Sniffing
- Measuring space
- Investigating angles
- Calculating fractions, decimals, and percentages
- Solving equations and inequalities
- Calculating space
- Mathematical movement
- Presentation of data
- Measuring data
- Understanding risk

Mathematics Curriculum