Our Learning Journey: Year 8 Maths

Knowledge over time

Year 9

Geometry & Measures
- Rotations
- Translations
- Enlargements
- Reflections

Number
- Primes
- Factors
- Multiples
- Standard form
- Using fractions, percentages and ratio to solve problems

Statistics & Probability
- Bar charts
- Scatter graphs
- Pie charts
- Correlation

Geometry & Measures
- Using Pythagoras' theorem

Algebra
- Substituting values
- Problems involving ratios
- Rearranging formulae
- Using formulae in maths and other subjects
- Using proportion to solve problems

Number
- Simplifying ratios
- Using ratios
- Fibonacci sequence

Number
- Writing percentages
- Calculating percentages of amounts
- Estimation
- Using percentages
- Rounding decimals
- Rounding to significant figures

Algebra
- Compound interest
- nth term
- Picture sequences

Number
- Venn diagrams
- Sample spaces
- Calculate probability
- Probability trees

Statistics & Probability
- Using the language of probability
- Angles in polygons

Algebra
- Equivalent fractions, decimals & percentages
- Mixed numbers & improper fractions
- Calculations with fractions
- Equations with 2 steps
- Equations with brackets
- Forming equations
- Inequalities

Geometry & Measures
- Angle facts
- Angles in parallel lines

Number
- Expanding brackets

Algebra
- Factorising expressions
- Simplifying expressions with letters
- Order of operations
- Using a calculator

Number
- Number skills needed for all units
- Use of indices

Year 8 Maths