

Maths

Key Stage 3 Overview



What will your child study at Key Stage 3 (Years 7-8)?

Scheme of Work Key: L = Lower Tier, M = Medium Tier, H = Higher Tier.

Curriculum Overview

Year	Autumn	Spring	Summer
7L	<ul style="list-style-type: none"> Analysing and displaying data Calculating Expressions, functions and formulae Factors and multiples Decimals and measures Number properties and calculations Shapes and measures in 3D Statistics Expressions and equations Decimals calculations 	<ul style="list-style-type: none"> Angles and lines Measuring and shapes Angles Number properties 	<ul style="list-style-type: none"> Fractions, decimals and percentages Sequences Fractions and percentages Probability
7M	<ul style="list-style-type: none"> Number skills Number Decimals and measures Area and volume Analysing and displaying data Statistics, graphs and charts Expressions, functions and formulae Expressions and equations 	<ul style="list-style-type: none"> Sequences and graphs [new learning, not required knowledge] Real-life graphs Straight-line graphs Lines and angles 	<ul style="list-style-type: none"> Fractions Percentages, decimals and fractions Calculating with fractions Ratio and proportion Decimals and ratio
7H	<ul style="list-style-type: none"> Fractions Fractions, decimals and percentages Collecting and analysing data Decimals Factors and powers Multiplicative reasoning Number skills Working with powers Equations, functions and formulae 2D shapes and 3D solids Equations Perimeter, area and volume 	<ul style="list-style-type: none"> Constructions and loci Probability Analysing and displaying data 	<ul style="list-style-type: none"> Real-life graphs Sequences and graphs Transformations Multiplicative reasoning

8L	<ul style="list-style-type: none"> • Number properties and calculations • Statistics • Expressions and equations • Decimals calculations • Angles • Number properties • Sequences • Fractions and percentages • Number calculations • Sequences and equations • Statistics • Fractions, decimals and percentages 	<ul style="list-style-type: none"> • Shapes and measures in 3D • Graphs • Geometry in 2D and 3D • Algebraic and real-life graphs • Multiplicative reasoning 	<ul style="list-style-type: none"> • Algebraic and geometric formulae • Probability • Polygons and transformations • Probability • Transformations
8M	<ul style="list-style-type: none"> • Indices and standard form • Expressions and formulae • Dealing with data • Transformations • Multiplicative reasoning 	<ul style="list-style-type: none"> • Constructions • Equations, inequalities and proportionality • Circles, Pythagoras and prisms 	<ul style="list-style-type: none"> • Sequences and graphs • Probability • Comparing shapes
8H	<ul style="list-style-type: none"> • Angles and shapes • Sequences and graphs • Scale drawings and measurements • Graphs • Powers and roots • Quadratics 	<ul style="list-style-type: none"> • Inequalities, equations and formulae • Non-linear graphs • Accuracy and measures 	<ul style="list-style-type: none"> • Graphical solutions • Trigonometry • Mathematical reasoning