

Key Stage 3 – YEAR 8 MATHS  
Curriculum Map for Students

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic Overview	<b>Number and Area &amp; Volume</b>	<b>Statistics, Graphs &amp; Charts and Expressions &amp; Equations</b>	<b>Real-life Graphs and Decimals &amp; Ratio</b>	<b>Lines &amp; Angles</b>	<b>Straight-Line Graphs and Calculating with Fractions</b>	<b>Percentages, Decimals &amp; Fractions</b>
Focus	Calculations. Divisibility and division. Calculating with negative numbers. Powers and roots. Powers, roots and brackets. Area of a triangle. Area of a parallelogram and trapezium. Volumes of cubes and cuboids. 2D representation of 3D solids. Surface area of cubes and cuboids. Measures.	Pie charts. Using tables. Stem and leaf diagrams. Comparing data. Scatter graphs. Misleading graphs. Algebraic powers. Expressions and brackets. Factorising expressions. One step equations. Two step equations. The balancing method.	Conversion graphs. Distance-time graphs. Line graphs. Real-life graphs. Curved graphs. Ordering decimals and rounding. Place value calculations. Calculations with decimals. Ratio and proportion with decimals.	Quadrilaterals. Alternate angles and proof. Exterior and interior angles. Solving geometric problems.	Ordering fractions. Adding and subtracting fractions. Multiplying fractions. Dividing fractions. Calculating with mixed numbers. Direct proportion on graphs. Gradients. Equations of straight lines.	Fractions and decimals. Equivalent proportions. Writing percentages. Percentages of amounts.
Assessment	<i>Unit test (either Support/Core or Core/Depth dependent on ability) at the end of each topic.</i>	<i>Unit test (either Support/Core or Core/Depth dependent on ability) at the end of each topic. End of term test (either Support/Core or Core/Depth dependent on ability) just before Christmas break.</i>	<i>Unit test (either Support/Core or Core/Depth dependent on ability) at the end of each topic.</i>	<i>Unit test (either Support/Core or Core/Depth dependent on ability) at the end of each topic. End of term test (either Support/Core or Core/Depth dependent on ability) just before Easter break.</i>	<i>Unit test (either Support/Core or Core/Depth dependent on ability) at the end of each topic.</i>	<i>Unit test (either Support/Core or Core/Depth dependent on ability) at the end of each topic. End of year test (either Support/Core or Core/Depth dependent on ability) just before end of year.</i>