

Key Stage 3 – YEAR 7 MATHS  
Curriculum Map for Students

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Topic Overview</b>	<b>Analysing &amp; Displaying Data and Number Skills</b>	<b>Expressions, Functions &amp; Formulae and Decimals and Measures</b>	<b>Fractions &amp; Percentages and Probability</b>	<b>Ratio &amp; Proportion</b>	<b>Lines &amp; Angles and Sequences &amp; Graphs</b>	<b>Transformations</b>
<b>Focus</b>	Calculating mean, median and mode. Displaying data. Grouping data. Averages and comparing data. Line graphs and more bar charts. Mental maths. Addition and subtraction. Multiplication and division. Money and time. Negative numbers. Factors, multiples and primes. Square numbers.	Functions. Simplifying expressions. Writing expressions. Substituting into formulae. Writing formulae. Decimals and rounding. Length, mass and capacity. Scales and measures. Working with decimals mentally. Working with decimals. Perimeter and area. More units of measure.	Comparing fractions. Simplifying fractions. Working with fractions. Fractions and decimals. Understanding percentages. Percentage of amounts. The language of probability. Calculating probabilities. Experimental probability. Expected outcomes.	Direct proportion. Writing ratios. Using ratios. Ratios, proportions and fractions. Proportion and percentages.	Measuring and drawing angles. Lines, angles and triangles. Drawing triangles accurately. Calculating angles. Angles in a triangle. Quadrilaterals. Sequences. Pattern sequences. Co-ordinates and midpoints. Extending sequences. Straight line graphs. Position to term rules.	Congruency and enlargements. Symmetry. Reflection. Rotation. Translations and combines transformations.
<b>Assessment</b>	<i>Baseline test on entry – used to help decide teaching sets. Half-Term levelled skills assessment to gauge progress and monitor attainment.</i>	<i>End of Term Problem Solving assessment to encourage reasoning skills in preparation for modern curriculum expectations. Sat just before Christmas break.</i>	<i>Half-Term levelled skills assessment to gauge progress and monitor attainment.</i>	<i>End of Term Problem Solving assessment to encourage reasoning skills in preparation for modern curriculum expectations. Sat just before Easter break.</i>	<i>Half-Term levelled skills assessment to gauge progress and monitor attainment.</i>	<i>End of Term Problem Solving assessment to encourage reasoning skills in preparation for modern curriculum expectations. Sat just before summer break.</i>