

## Maths KS3 Curriculum Map

<b>Year</b>	<b>Autumn Term</b>		<b>Spring Term</b>		<b>Summer Term</b>	
<b>7</b>	<b>Content:</b> Using number function machines Sequences Area Perimeter Surface Area	<b>Content:</b> Decimals BIDMAS Averages Statistical Diagrams	<b>Content:</b> Expressions and Formulae Fractions Angles and 2D Shapes	<b>Content:</b> Coordinates and Graphs Percentages Probability	<b>Content:</b> Symmetry Reflection Rotation Solving equations Pie charts/Surveys	<b>Content:</b> 3 D Shapes Ratios Revision Assessment
<b>8</b>	<b>Content:</b> Factors and multiples Angles and 2D Shapes Transformations Constructions Probability	<b>Content:</b> Percentages Congruency Metric Units Area, Volume and Surface Area	<b>Content:</b> Straight line graphs Quadratic Graphs Real –Life Graphs Rounding Standard form Interpreting Graphs and Charts	<b>Content:</b> Algebraic manipulation Indices Shape and Ratio Enlargement and Scales	<b>Content:</b> Fractions Direct and inverse proportion Circle	<b>Content:</b> Solving equations Frequency tables Revision Assessment
<b>9</b>	<b>Content:</b> Percentages, decimals and fractions. Coordinates Straight line graphs Ratio Sequences Correlation Pythagoras	<b>Content:</b> Algebra substitution Solving equations Trial and improvement Quadratic equations Factorising equations Fractions Volume of prisms	<b>Content:</b> Percentage increase and decrease Loci Angles in polygons and parallel lines Congruence and similarity	<b>Content:</b> Approximation Inequalities Trigonometry Simultaneous equations Speed, distance and time	<b>Content:</b> Indices Standard form Angles in circles Lengths of arcs/areas of circles Volume and surface area	<b>Content:</b> Cumulative frequency Scatter diagrams Frequency polygons Averages Sampling and questionnaires Probability

**Course Text Books/Websites:**

**Level up series from level 2 up to level 8**

**[www.mymaths.co.uk](http://www.mymaths.co.uk)**

**[www.samlearning.com](http://www.samlearning.com)**

**Additional Materials/Equipment required:**

A pen, pencil, rubber, compass, calculator, protractor and ruler are required.

**Home Support:**

Pupils should be encouraged to work in a quiet place as this will enhance their ability to concentrate and therefore boost their learning. Please ensure your daughter completes her homework as this is an essential part of the course. Please encourage her to login to [www.mymaths.co.uk](http://www.mymaths.co.uk) using a password and login provided by the class teacher to find additional revision lessons and practice worksheets. After each assessment, it would be beneficial for your daughter to spend some time looking through the questions with you.

**Head of Department:**

**Ms Shenai**