

**Curriculum Long Term Planning Overview**

**Key Stage 3**

**Subject Area: Maths**

**Academic Year: 2018-19**

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
<b>Year 7 Set 2</b>	<b>Study Modules</b>	<p><b>Numbers and The Number System</b></p> <p>Identify and use the prime factorisation of a number</p> <p>Understand and use standard form</p> <p><b>Calculating</b></p> <p>Calculate with negative numbers</p> <p>Apply the correct order of operations</p>	<p><b>Calculating</b></p> <p>Calculate with negative numbers</p> <p>Apply the correct order of operations</p> <p><b>Understanding Risk I</b></p> <p>Understand the meaning of probability</p> <p>Explore experiments and outcomes</p> <p>Develop understanding of probability</p> <p><b>Sequences I</b></p> <p>Explore number sequences</p> <p>Explore sequences</p>	<p><b>Algebraic Manipulation</b></p> <p>Understand the vocabulary and notation of algebra</p> <p>Manipulate algebraic functions</p> <p>Explore functions</p> <p>Evaluate algebraic statements</p> <p><b>Exploring Fractions, Decimals and Percentages</b></p> <p>Explore links between fractions, decimals and percentages</p> <p><b>Calculating Fractions, Decimals and Percentages</b></p> <p>Calculate with fractions</p> <p>Calculate with percentages</p>	<p><b>Calculating Fractions, Decimals and Percentages</b></p> <p>Calculate with fractions</p> <p>Calculate with percentages</p> <p><b>Proportional Reasoning</b></p> <p>Explore the uses of ratio</p> <p>Investigate the connection between ratio and proportion</p> <p>Solve problems involving proportional reasoning</p> <p>Solve problems involving compound units</p>	<p><b>Sequences II</b></p> <p>Explore sequences</p> <p><b>Investigating Angles</b></p> <p>Develop knowledge of angles</p> <p>Explore geometrical situations involving parallel lines</p>	<p><b>Solving Equations and Inequalities I</b></p> <p>Explore ways of solving equations</p> <p>Solve two-step equations</p> <p>Solve three-step equations</p>
	<b>Assessment</b>	Open book end of topic assessment	Closed book end of term test	Open book end of topic assessment	Open book end of topic assessment	Open book end of topic assessment	Closed book end of term test

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 8 Set 2	Study Modules	<p><b>Algebraic Manipulation</b></p> <p>Understand the notation of algebra</p> <p>Manipulate algebraic expressions</p> <p>Evaluate algebraic statements</p> <p><b>Calculating Space</b></p> <p>Investigate circles</p> <p>Discover pi</p> <p>Solve problems involving circles</p> <p>Explore prisms and cylinders</p>	<p><b>Solving Equations and Inequalities II</b></p> <p>Solve linear equations with the unknown on one side</p> <p>Solve linear equations with the unknown on both sides</p> <p>Explore connections between graphs and equations</p> <p><b>Understanding Risk II</b></p> <p>Explore experiments and outcomes</p> <p>Develop understanding of probability</p> <p>Use probability to make predictions</p>	<p><b>Algebraic Proficiency – Visualising</b></p> <p>Plot and interpret linear graphs</p> <p>Plot and interpret quadratic graphs</p> <p>Model real situations using linear graphs</p> <p><b>Presentation of Data</b></p> <p>Explore types of data</p> <p>Construct and interpret graphs</p> <p>Select appropriate graphs and charts</p>	<p><b>Measuring Data</b></p> <p>Investigate averages</p> <p>Explore ways of summarising data</p> <p>Analyse and compare sets of data</p> <p><b>Indices and Roots</b></p> <p>Calculate with powers and roots</p> <p>Explore the use of standard form</p> <p>Explore the effects of rounding</p>	<p><b>Indices and Roots</b></p> <p>Calculate with powers and roots</p> <p>Explore the use of standard form</p> <p>Manipulate algebraic expressions</p> <p>Construct algebraic statements</p> <p><b>Visualising and Constructing</b></p> <p>Explore enlargement of 2D shapes</p> <p>Use and interpret scale drawings</p> <p>Use and interpret bearings</p> <p>Explore ways of representing 3D shapes</p>	<p><b>Visualising and Constructing</b></p> <p>Explore enlargement of 2D shapes</p> <p>Use and interpret scale drawings</p> <p>Use and interpret bearings</p> <p>Explore ways of representing 3D shapes</p>
		<b>Assessment</b>	Open book end of topic assessment	Closed book end of term test	Open book end of topic assessment	Open book end of topic assessment	Open book end of topic assessment