

# Mathematics Curriculum Map



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>KS3 Y7</b>	<p><b>Algebraic Thinking</b> – Sequences.</p> <p><b>Algebraic Thinking</b> – Understand and use algebraic notation.</p> <p><b>Algebraic Thinking</b> – Equality and Equivalence.</p>	<p><b>Place Value and Proportion</b> – Place value and ordering integers and decimals.</p> <p><b>Place Value and Proportion</b> – Fraction, decimals, and percentage equivalence.</p>	<p><b>Applications of Number</b> – Solving problems with addition and subtraction.</p> <p><b>Applications of Number</b> – Solving problems with multiplication and division.</p> <p><b>Applications of Number</b> – Fractions and Percentages of amounts.</p>	<p><b>Directed Number</b> – Operations and equations with directed number.</p> <p><b>Fractional Thinking</b> – Addition and subtraction of fractions.</p>	<p><b>Lines and Angles</b> – Constructing measuring and using geometric notation.</p> <p><b>Lines and Angles</b> – Developing geometric reasoning.</p>	<p><b>Reasoning with Number</b> – Developing number sense.</p> <p><b>Reasoning with Number</b> – Sets and probability.</p> <p><b>Reasoning with Number</b> – Prime numbers and Proof.</p>
<b>KS3 Y8</b>	<p><b>Proportional Reasoning</b> – Ratio and scale.</p> <p><b>Proportional Reasoning</b> – Multiplicative change.</p> <p><b>Proportional Reasoning</b> – Multiplying and Dividing fractions.</p>	<p><b>Representations</b> – Working in the Cartesian Plane.</p> <p><b>Representations</b> – Representing data.</p> <p><b>Representations</b> – Tables and Probability.</p>	<p><b>Algebraic techniques</b> – Brackets, equations, and inequalities.</p> <p><b>Algebraic techniques</b> – Sequences</p> <p><b>Algebraic techniques</b> – Indices.</p>	<p><b>Developing Number</b> – Fractions and Percentages.</p> <p><b>Developing Number</b> – Standard Form.</p> <p><b>Number</b> – Number Sense.</p>	<p><b>Developing Geometry</b> – Angles in parallel lines and polygons.</p> <p><b>Developing Geometry</b> – Area of trapezia and circles.</p> <p><b>Developing Geometry</b> – Line of Symmetry and Reflection.</p>	<p><b>Reasoning with Data</b> – The Data Handling Cycle.</p> <p><b>Reasoning with Data</b> – Measures of location.</p>

<b>KS3 Y9</b>	<b>Reasoning with Algebra</b> – Straight Line Graphs. <b>Reasoning with Algebra</b> – Forming and solving equations. <b>Reasoning with Algebra</b> – Testing conjectures.	<b>Constructing in 2 and 3 Dimensions</b> – Three-dimensional shapes. <b>Constructing in 2 and 3 Dimensions</b> – Constructions and Congruency.	<b>Reasoning with Number</b> – Numbers. <b>Reasoning with Number</b> – Using Percentages. <b>Reasoning with Number</b> – Maths and money.	<b>Reasoning with Geometry</b> – Deduction. <b>Reasoning with Geometry</b> – Rotation and Translation. <b>Reasoning with Number</b> – Pythagoras’ Theorem.	<b>Reasoning with Proportion</b> – Enlargement and similarity. <b>Reasoning with Proportion</b> – Solving ratio and proportion problems. <b>Reasoning with Proportion</b> – Rates.	<b>Representations and Revision</b> – Probability. <b>Representations and Revision</b> – Algebraic Representations. <b>Representations and Revision</b> – Revision.
<b>KS4 Y10</b>	<b>Similarity</b> – Congruence, similarity, and enlargement. <b>Similarity</b> – Trigonometry.	<b>Developing Algebra</b> – Representing solutions of equations and Inequalities. <b>Developing Algebra</b> – Simultaneous Equations.	<b>Geometry</b> – Angles and Bearings. <b>Geometry</b> – Working with circles. <b>Geometry</b> – Vectors.	<b>Proportions and Proportional Change</b> – Ratios and Fractions Proportions. <b>Proportional Change</b> – Percentages and Interest. <b>Proportions and Proportional Change</b> – Probability.	<b>Delving into Data</b> – Collecting representing and interpreting data. <b>Using Number</b> – Non-Calculator Methods.	<b>Using Number</b> – Types of number and Sequences. <b>Using Number</b> – Indices and Roots. <b>Expressions</b> – Manipulating Expressions.
<b>KS4 Y11</b>	<b>Graphs</b> – Gradients and Lines. <b>Graphs</b> – Non-Linear Graphs. <b>Graphs</b> – Using Graphs.	<b>Algebra</b> – Expanding and Factorising. <b>Algebra</b> – Changing the Subject. <b>Algebra</b> – Functions.	<b>Reasoning</b> – Multiplicative. <b>Reasoning</b> – Geometric. <b>Reasoning</b> – Algebraic.	<b>Revision and Communication</b> – Transforming and Constructing. <b>Revision and Communication</b> - Listing and Describing. <b>Revision and Communication</b> – Show that.	<b>REVISION</b>	<b>EXAMINATIONS</b>

<b>KS4</b> <b>Y11</b> <b>FS</b> <b>L1</b>	<b>Number</b> - Using numbers and the number system - whole numbers.	<b>Number</b> - Using numbers and the number system – Fractions.	<b>Number</b> - Using numbers and the number system. <b>Number</b> - Using numbers and the number system – Percentages. <b>Number</b> - Using numbers and the number system - Fractions, Decimals and Percentages.	<b>Number</b> - Using numbers and the number system - Whole numbers. <b>Measurement</b> - Using common measures, shape, and space.	<b>Measurement</b> - Using common measurements, shape, and space.	<b>Handling information and data.</b>
<b>KS4</b> <b>Y11</b> <b>FS</b> <b>L2</b>	<b>Number</b> - Using numbers and the number system - whole numbers, fractions, decimals, and percentages.	<b>Number</b> - Using numbers and the number system - whole numbers, fractions, decimals, and percentages.	<b>Measurement</b> - Using common measures, shape, and space.	<b>Measurement</b> - Using common measures, shape, and space.	<b>Measurement</b> - Using common measures, shape, and space.	<b>Handling information and data.</b>