

# Mathematics - Lower school

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>7</b>	<b>Unit Title/ Learning Focus</b>	<ul style="list-style-type: none"> <li>Using number system effectively</li> <li>Sequences</li> <li>Perimeter and volume</li> </ul>	<ul style="list-style-type: none"> <li>Decimal numbers</li> <li>Number calculations</li> <li>Statistics</li> </ul>	<ul style="list-style-type: none"> <li>Basic algebra</li> <li>Working with fractions</li> <li>Angles and angle properties</li> </ul>	<ul style="list-style-type: none"> <li>Coordinates in all four quadrants</li> <li>Plotting graphs</li> <li>Working with percentages</li> </ul>	<ul style="list-style-type: none"> <li>Probability</li> <li>Symmetry</li> <li>Solving simple equations</li> <li>Interpreting data</li> </ul>	<ul style="list-style-type: none"> <li>3D shapes</li> <li>Ratio and proportion</li> <li>Functional maths project</li> </ul>
	<b>Assessments</b>	GCSE Non-Calculator	GCSE Calculator	GCSE Non-Calculator	GCSE Calculator	GCSE Non-Calculator	GCSE Calculator and Non-Calculator
	<b>Homework</b>	My Maths HW task <ul style="list-style-type: none"> <li>coordinates</li> <li>graphics</li> <li>fractions and percentages</li> </ul>	Command words Revision Topics	My Maths HW task <ul style="list-style-type: none"> <li>probability</li> <li>Solving equations</li> <li>symmetry</li> </ul>	Command words Revision Topics	My Maths HW task <ul style="list-style-type: none"> <li>interpreting data</li> <li>3D shapes</li> <li>ration</li> </ul>	Command words Revision Topics
<b>8</b>	<b>Unit Title/ Learning Focus</b>	<ul style="list-style-type: none"> <li>Working with integers</li> <li>Geometry</li> <li>Probability</li> <li>Working with percentages</li> </ul>	<ul style="list-style-type: none"> <li>Working with percentages cont.</li> <li>Sequences</li> <li>Area of 2D and 3D shapes</li> </ul>	<ul style="list-style-type: none"> <li>Plotting graphs</li> <li>Rounding and estimation</li> <li>Interpreting data</li> <li>Algebra-collecting like terms</li> </ul>	<ul style="list-style-type: none"> <li>Algebra-expanding brackets</li> <li>Algebra-manipulating expression</li> <li>Congruence and scaling</li> </ul>	<ul style="list-style-type: none"> <li>Fractions and decimals</li> <li>Proportion</li> <li>Working with circles</li> <li>Equations and formulae</li> </ul>	<ul style="list-style-type: none"> <li>Calculating with data</li> <li>Presenting data</li> <li>Comparing data</li> </ul>
	<b>Assessments</b>	GCSE Non-Calculator	GCSE Calculator	GCSE Non-Calculator	GCSE Calculator	GCSE Non-Calculator	GCSE Calculator and Non-Calculator
	<b>Homework</b>	My Maths HW task <ul style="list-style-type: none"> <li>Algebra</li> <li>Shape and ratio</li> <li>enlargement</li> </ul>	Command words Revision Topics	My Maths HW tasks <ul style="list-style-type: none"> <li>fractions and decimals</li> <li>proportion</li> <li>circles</li> </ul>	Command words Revision Topics	My Maths HW task <ul style="list-style-type: none"> <li>equations and formulae</li> <li>presenting data</li> <li>comparing sets of data</li> </ul>	Command words Revision Topics
<b>9</b>	<b>Unit Title/ Learning Focus</b>	<ul style="list-style-type: none"> <li>Percentages</li> <li>Equations and Formulae</li> <li>Angles in polygons</li> <li>Using data</li> </ul>	<ul style="list-style-type: none"> <li>Circles</li> <li>Working with graphs</li> <li>Pythagoras' theorem</li> <li>Enlargement</li> </ul>	<ul style="list-style-type: none"> <li>Fractions</li> <li>Algebra</li> <li>Working with decimals</li> <li>Surface area and volume of 3D shape</li> </ul>	<ul style="list-style-type: none"> <li>Surface area and volume cont.</li> <li>Solving equations graphically</li> </ul>	<ul style="list-style-type: none"> <li>Compound measures</li> <li>Similar triangles</li> <li>Right angled triangles</li> <li>Introduction to algebraic proof</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to geometric proof</li> <li>Probability</li> <li>Geometric sequences</li> </ul>
	<b>Assessments</b>	GCSE Non-Calculator	GCSE Calculator	GCSE Non-Calculator	GCSE Calculator	GCSE Non-Calculator	GCSE Calculator and Non-Calculator
	<b>Homework</b>	My Maths HW task <ul style="list-style-type: none"> <li>Surface area</li> <li>Volume</li> <li>Solving equations</li> </ul>	Command words Revision Topics	My Maths HW task <ul style="list-style-type: none"> <li>compound measures</li> <li>Similar triangles</li> <li>trigonometry</li> </ul>	Command words Revision Topics	My Maths HW task <ul style="list-style-type: none"> <li>basic probability</li> <li>Calculating probabilities</li> </ul>	Command words Revision Topics

# Mathematics - Upper School

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>10</b>	<b>Unit Title/ Learning Focus</b>	<ul style="list-style-type: none"> <li>Basic number</li> <li>Measures and scale drawings</li> <li>Statistics-charts, tables, averages</li> </ul>	<ul style="list-style-type: none"> <li>Angles and angle properties</li> <li>Number properties</li> </ul>	<ul style="list-style-type: none"> <li>Rounding and estimation</li> <li>Decimals and fractions</li> <li>Linear graphs</li> </ul>	<ul style="list-style-type: none"> <li>Substitution</li> <li>Expanding and factorising</li> <li>Ratio and proportion</li> </ul>	<ul style="list-style-type: none"> <li>Statistics</li> <li>Area and perimeter of 2D shapes</li> <li>Transformations</li> <li>Probability and events</li> </ul>	<ul style="list-style-type: none"> <li>Volume and surface area of cuboids</li> <li>Volume and surface area of prisms</li> <li>Linear equations</li> </ul>
	<b>Assessments</b>	GCSE Calculator and Non-Calculator	GCSE Calculator and Non-Calculator	GCSE Calculator and Non-Calculator	GCSE Calculator and Non-Calculator	GCSE Calculator and Non-Calculator	GCSE Calculator and Non-Calculator
	<b>Homework</b>	Past GCSE questions <ul style="list-style-type: none"> <li>Algebra</li> <li>Ratio and proportion</li> </ul>	Command words Revision Topics	Past GCSE questions <ul style="list-style-type: none"> <li>Geometry and measures</li> </ul>	Command words Revision Topics	Past GCSE questions <ul style="list-style-type: none"> <li>Volume and surface area</li> </ul>	Command words Revision Topics

		Set 1, 2 and 3 Statistic past papers  GCSE revision		- Transformatio n - Probability Set 1, 2 and 3 Statistics past papers  GCSE Revision		- Solving linear equations Set 1, 2 and 3 Statistics past papers  GCSE Revision	
<b>11</b>	<b>Unit Title/ Learning Focus</b>	<ul style="list-style-type: none"> <li>• Probability</li> <li>• Circle theory</li> <li>• Ratio and proportion</li> <li>• Rates of change</li> </ul>	<ul style="list-style-type: none"> <li>• Trigonometry</li> <li>• Area of a triangle using trigonometry</li> <li>• Interpreting real life graphs</li> <li>• Equation</li> </ul>	<ul style="list-style-type: none"> <li>• Algebraic fractions and functions</li> <li>• Rearranging formulae</li> <li>• Vector geometry</li> <li>• Trigonometry</li> </ul>	<ul style="list-style-type: none"> <li>• Rates of change</li> <li>• Geometric proof and reasoning</li> <li>• Algebraic proof and reasoning</li> </ul>	<ul style="list-style-type: none"> <li>• Number revision</li> <li>• Algebra revision</li> <li>• Geometry revision</li> <li>• Statistics and probability revision</li> <li>• General revision</li> </ul>	•
	<b>Assessments</b>	GCSE Calculator and Non-Calculator	PPE1 (Mocks)	GCSE Calculator and Non-Calculator	PPE2 (Mocks)	Bespoke topic past exam questions.	
	<b>Homework</b>	Past GCSE questions Algebra	Past GCSE questions: Data Geometry	Past GCSE questions: Number			