

# Long Term Plan: Maths



	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>Year 7</b>	<ul style="list-style-type: none"> <li>Sequences</li> <li>Understand and use algebraic notation</li> <li>Equality and equivalence</li> </ul>	<ul style="list-style-type: none"> <li>Place value and ordering integers and decimals</li> <li>Fraction, decimal and percentage equivalence</li> </ul>	<ul style="list-style-type: none"> <li>Continuation - Fraction, decimal and percentage equivalence.</li> <li>Solving problems with addition and subtraction</li> <li>Solving problems with multiplication and division</li> </ul>	<ul style="list-style-type: none"> <li>Solving problems with multiplication and division</li> <li>Four operations with directed number</li> </ul>	<ul style="list-style-type: none"> <li>Addition and subtraction of fractions</li> <li>Constructing measuring and using geometric notation</li> </ul>	<ul style="list-style-type: none"> <li>Constructing, measuring and using geometric notation</li> <li>Developing geometric reasoning</li> <li>Sets and Probability</li> </ul>
<b>Assessment</b>	<u>Formative</u> End of block tests	<u>Formative</u> End of block tests <u>Summative</u> Autumn assessment Core - All Foundation: Sets 4 & 5 Higher Sets 1, 2 & 3	<u>Formative</u> End of block tests	<u>Formative</u> End of block tests <u>Summative</u> Spring assessment Core - All Foundation: Sets 4 & 5 Higher Sets 1, 2 & 3	<u>Formative</u> End of block tests	<u>Formative</u> End of block tests <u>Summative</u> End of year assessment Core - All Foundation: Sets 4 & 5 Higher Sets 1, 2 & 3
<b>Year 8</b>	<ul style="list-style-type: none"> <li>Ratio and scale</li> <li>Multiplicative change</li> <li>Multiplying and dividing fractions</li> </ul>	<ul style="list-style-type: none"> <li>Working in the Cartesian Plane</li> <li>Representing data</li> </ul>	<ul style="list-style-type: none"> <li>Tables and probability</li> <li>Brackets, equations and inequalities</li> </ul>	<ul style="list-style-type: none"> <li>Sequences</li> <li>Indices</li> <li>Fractions and percentages</li> </ul>	<ul style="list-style-type: none"> <li>Standard index form</li> <li>Number Sense</li> </ul>	<ul style="list-style-type: none"> <li>Angles in parallel lines and polygons</li> <li>Area of trapezia and Circles</li> <li>Line symmetry and reflection</li> <li>The data handling cycle</li> </ul>
<b>Assessment</b>	<u>Formative</u> End of block tests	<u>Formative</u> End of block tests <u>Summative</u> Autumn assessment Core - All Foundation: Sets 4 & 5 Higher Sets 1, 2 & 3	<u>Formative</u> End of block tests	<u>Formative</u> End of block tests <u>Summative</u> Spring assessment Core - All Foundation: Sets 4 & 5 Higher Sets 1, 2 & 3	<u>Formative</u> End of block tests	<u>Formative</u> End of block tests <u>Summative</u> End of year assessment Core - All Foundation: Sets 4 & 5 Higher Sets 1, 2 & 3

<b>Year 9 Higher and Foundation</b>	<ul style="list-style-type: none"> <li>• Straight line graphs</li> <li>• Forming and solving equations</li> <li>• Three dimensional shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Three dimensional shapes continued</li> <li>• Construction and congruency</li> <li>• Reasoning with number</li> </ul>	<ul style="list-style-type: none"> <li>• Reasoning with number continued</li> <li>• Using percentages</li> <li>• Maths and money</li> </ul>	<ul style="list-style-type: none"> <li>• Deduction - reasoning with geometry.</li> <li>• Rotation and reflection</li> <li>• Pythagoras' Theorem</li> </ul>	<ul style="list-style-type: none"> <li>• Enlargement and similarity</li> <li>• Solving ratio and proportion problems</li> </ul>	<ul style="list-style-type: none"> <li>• Rates of change</li> <li>• Probability</li> <li>Algebraic</li> <li>• Representation</li> </ul>
<b>Assessment</b>	Formative Progress Checks	Formative Progress Checks  Summative Past Paper assessment based on topics taught	Formative Progress Checks	Formative Progress Checks  Summative Past Paper assessment based on topics taught	Formative Progress Checks	Formative Progress Checks  Summative End of year past papers based on topics taught
<b>Year 10 Foundation and Higher</b>	<ul style="list-style-type: none"> <li>• Congruence, similarity and enlargement</li> <li>• Trigonometry</li> <li>• Representing solutions to equations and inequalities</li> </ul>	<ul style="list-style-type: none"> <li>• Representing solutions to equations and inequalities continued</li> <li>• Simultaneous Equations</li> <li>• Angles and bearings</li> <li>• Working with circles</li> </ul>	<ul style="list-style-type: none"> <li>• Working with circles continued</li> <li>• Vectors</li> <li>• Ratios and fractions</li> </ul>	<ul style="list-style-type: none"> <li>• Ratios and fractions continued</li> <li>• Percentages and interest</li> <li>• Probability</li> </ul>	<ul style="list-style-type: none"> <li>• Collecting, representing and interpreting data</li> <li>• Non Calculator Methods</li> </ul>	<ul style="list-style-type: none"> <li>• Non Calculator methods continued</li> <li>• Types of number and sequences</li> <li>• Indices and Roots</li> </ul>
<b>Assessment</b>	Formative Progress Checks	Formative Progress Checks  Summative Past Paper assessment based on topics taught	Formative Progress Checks	Formative Progress Checks  Summative Past Paper assessment based on topics taught	Formative Progress Checks	Formative Progress Checks  Summative Full set of past papers Mocks
<b>Year 11 Foundation and Higher</b>	<ul style="list-style-type: none"> <li>• Manipulating Expressions</li> <li>• Gradients and Lines</li> <li>• Non Linear Graphs</li> <li>• Using Graphs</li> </ul>	<ul style="list-style-type: none"> <li>• Expanding and factorising</li> <li>• Changing the subject of the formula</li> <li>• Functions</li> <li>• Multiplicative reasoning</li> </ul>	<ul style="list-style-type: none"> <li>• Multiplicative reasoning continued</li> <li>• Geometric reasoning</li> <li>• Algebraic Reasoning</li> </ul>	<ul style="list-style-type: none"> <li>• Transformations and Constructions</li> <li>• Listing and describing</li> <li>• Proving and showing</li> </ul>	• Gaps Teaching (Revision)	• Gaps Teaching (Revision)
<b>Assessment</b>	Formative Progress Checks  Summative Past Paper assessment	Formative Progress Checks  Summative Full set of past papers Mocks	Formative Progress Checks  Summative Past Paper assessment	Formative Progress Checks  Summative Past Paper assessment	Formative Progress Checks	Exams