



Year Group	Learning Cycle 1	Learning Cycle 2	Learning Cycle 3
Year 7	Sequences Understand and Use Algebraic Notation Equality and Equivalence Place Value, Integers and Decimals Fractions, Decimals and Percentages <i>Autumn Assessment</i>	Fractions, Decimals and Percentages Solving Problems with Addition and Subtraction Solving problems with Multiplication and Division Fractions and Percentages of Amounts Directed Number Addition and Subtraction of Fractions <i>Spring Assessment</i>	Addition and Subtraction of Fractions Constructing and Measuring Develop Geometric Reasoning Developing Number Sense Sets and Probability <i>Summer Assessment</i> Prime Numbers and Proof
Year 8	Ratio and Scale Multiplicative Change Multiplying and Dividing Fractions Cartesian Plane Representing Data <i>Autumn Assessment</i>	Tables and Probability Brackets, Equations and Inequalities Sequences Indices Fractions and Percentages Standard Index Form <i>Spring Assessment</i>	Standard Index Form Number Sense Angles in Parallel Lines and Polygons Area of Trapezia and Circles Line Symmetry and Reflection The Data Handling Cycle <i>Summer Assessment</i> Measures of Location
Year 9	Straight Line Graphs Forming and Solving Equations Testing Conjectures Three-dimensional Shapes Constructions and Congruency <i>Autumn Assessment</i>	Constructions and Congruency Numbers Using Percentages Maths and Money Deduction Rotation and Translation <i>Spring Assessment</i>	Rotation and Translation Pythagoras' Theorem Enlargement and Similarity Solving Ratio and Proportion Problems Rates Probability <i>Summer Assessment</i> Algebraic Representation Extend
Year 10	Congruence, Similarity and Enlargement Trigonometry Representing Solutions of Equations and Inequalities Simultaneous Equations <i>Autumn Assessment</i>	Angles and Bearings Working with Circles Vectors Ratios and Fractions Percentages and Interest Probability <i>Spring Assessment</i>	Collecting, Representing and Interpreting Data Non-calculator Methods Types of Number and Sequences Indices and Roots <i>Summer Assessment</i> Manipulating Expressions

<p>Year 11</p>	<p>Gradients and Lines Non-linear graphs Using Graphs Expanding and Factorising Changing the Subject Autumn Assessment (Mocks) Functions</p>	<p>Multiplicative Reasoning Geometric Reasoning Algebraic Reasoning Transforming and Constructing Listing and Describing Spring Assessment Show That...</p>	<p>Revision GCSE Assessment</p>
<p>Year 12 Maths A-Level (Teacher A, Teacher B)</p>	<p>Algebra and Functions Coordinate Geometry Proof Sequences and Series Differentiation Large Data Set (IST) Integration Exponentials and Logarithms 1</p>	<p>Trigonometry Vectors Units Exponentials and Logarithms 2 Sampling Data, Present and Interpret Probability</p>	<p>Kinematics Forces and Newton's Laws Distributions Hypothesis Testing Revision Past Papers Summer Assessment (Mocks)</p>
<p>Year 12 Further Maths A-Level (Teacher A, Teacher B)</p>	<p>Further Algebra and Functions 1 & 2 Polar Coordinates Further Calculus Proof Complex Numbers Matrices</p>	<p>Further Vectors Dimensional Analysis Momentum and Collisions 1 & 2 Work, Energy and Power 1 Hyperbolic Functions Discrete Random Variables & Expectations Poisson Distribution Continuous Random Variables</p>	<p>Work, Energy and Power 2 Circular Motion Chi-Squared Tests for Association Confidence Intervals Type I and II Errors Revision Past Papers Summer Assessment (Mocks)</p>
<p>Year 13 Maths A-Level (Teacher A, Teacher B)</p>	<p>Trigonometry Proof Algebra and Functions Sequences and Series Coordinate Geometry Differentiation Integration Exponentials and Logarithms</p>	<p>Sequences and Series Vectors Units Kinematics Forces and Newton's Laws Moments Numerical Methods Probability Distributions Hypothesis Testing Large Data Set</p>	<p>Revision Past Papers A-Level Assessment</p>
<p>Year 13 Further Maths A-Level (Teacher A, Teacher B)</p>	<p>Further Algebra and Functions Polar Coordinates Further Calculus 1 & 2 Further Vectors Momentum and Collisions Complex Numbers Matrices Hyperbolic Functions Numerical Methods Differential Equations 1</p>	<p>Work, Energy and Power Circular Motion Centres of Mass and Moments 1 & 2 Differential Equations Applications Differential Equations 2 Discrete Random Variables and Expectation Exponential Distribution Inference Confidence Intervals</p>	<p>Revision Past Papers A-Level Assessment</p>