

Maths Overview – Year 3/4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Place Value			Addition and Subtraction				Multiplication and Division				Length and Perimeter		
Spring	Multiplication and Division				Money and Statistics		Area	Length and Perimeter			Fractions and decimals			
Summer	Fractions		Time		Decimals		Money	Properties of Shape		Mass and Capacity		Position and Direction		

Maths Overview – Year 5/6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Place Value			Addition and Subtraction		Statistics		Multiplication and Division		Perimeter and Area		Fractions		Position and Direction
Spring	Multiplication and Division		Fractions and Decimals		Percentages		Algebra	Length and Perimeter		Fractions, decimals and percentages		Area and Volume		Ratio
Summer	Fractions and Decimals			Time		Money	Converting units	Properties of Shape		Mass and Capacity		Position and Direction		Statistics

Maths Overview – Year 7

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	
Autumn	Sequences		Understand and Use Algebraic Notation			Equality and Equivalence		Place Value & Ordering integers & Decimals			Fraction, Decimal & Percentage Equivalence				
Spring	Solving Problems with multiplication & Division				Fractions and Percentages of amounts			Operations & Equations with Directed Number			Addition & Subtraction of Fractions				
Summer	Constructing, measuring & using geometric notations				Developing Geometric Reasoning			Developing number sense		Sets & Probability		Prime Numbers & Proof			

Maths Overview Year 8 – Lower Group

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Ratio and Scale		Multiplicative Change		Multiplying and Dividing Fractions			Working in the Cartesian Plane			Representing Data		Tables and Probability	
Spring	Brackets, Equations & Inequalities				Sequences	Indices	Fractions and Percentages			Standard Index Form		Number Sense		
Summer	Angles in Parallel Lines & Polygons			Area of Trapezia & Circles		Line Symmetry & Reflection	The Data Handling Cycle				Measures of Location			

Maths Overview – Year 8

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Proportional Reasoning		Representations	Ration and Scale		Multiplicative Change		Multiplying and Dividing fractions		Cartesian Plane	Representing Data		Tables and Probability	
Spring	Algebraic techniques		Developing Number	Brackets	Equations & Inequalities		Sequences	Number Sense		Fractions		Percentages		Standard Index Form
Summer	Developing Geometry		Reasoning with data		Angles in parallel		Polygons	Area of Trapezia and Circles		Line Symmetry and Reflection		Data Handling		Measure of Location

Maths Overview – Year 9

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Arithmetic with fractions Hours 8		Expression and Formulae Hours 8		Angles and Polygons Hours 5	Sample spaces to calculate theoretical probabilities Hours 3	Ratio and percentage change Hours 8		Rearranging and solving linear equations Hours 6		Geometrical relationships and Pythagoras' theorem Hours 6		Central Tendency And spread Hours 8	
Spring	Mathematical models Hours 10			Using graphs to solve equations Hours 8		Pythagoras' theorem and trigonometry in right-angled triangles Hours 12			Standard form and the number system Hours 5	Geometric sequences Hours 4		Compound units Hours 4		
Summer	Mathematical relationships Hours 7		Review learning; re-teach areas of knowledge that require consolidation; track back in curriculum to highlight any misconceptions; ensure prerequisites are taught ready for Year 10											

Maths Overview – Year 10 – Entry Level 1 and 2 AQA

If the students require more time on Entry Level 1 then the topics will be revisited during the year.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Property of number Hours 10		The Four Operations Hours 10		The Calendar and time Hours 8		Ratio Hours 3	Money Hours 4		Measures Hours 3	Geometry Hours 7			
Spring	Property of number Hours 17				The Four operations Hours 12			The Calendar and time Hours 10		Ratio Hours 24				
Summer	Money Hours 10		Measure Hours 6	Geometry Hours 11			Re-visit modules if required							

Maths Overview – Year 10 – Functional skills AQA

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Place Value Hours 25					4 Operations Hours 23				Indices and order of operations Hours 13			Rounding and estimation Hours 8	
Spring	Rounding and estimation Hours 13			Data and graphs Hour 12			Average Hours 3	Fractions Hours 13			Decimals Hours 13			
Summer	Decimals Hours 13		Percentages Hours 4	Fractions, decimals and percentages Hours 4	Revision									

Maths Overview – Year 10 – Foundation AQA

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Angles Hours 15			Scale diagrams and bearing Hours 6	Basic number Hours 6	Factors and multiples hours 8	Basic algebra hours 15		Basic fraction hours 12		Coordinates and linear graphs Hours 12		Basic decimals Hours 6	
Spring	Rounding Hours 7	Collecting and representing data Hours 9		Sequences Hours 6	Basic percentages Hours 10		Perimeter and area Hours 12		Circumference and area Hours 7	Real life graphs Hours 3	Ratio and proportion Hours 13			
Summer	Properties of polygons Hours 9		Equations Hours 9	Indices Hours 6	Standard form Hour 6	Basic probability Hour 6	Transformations Hours 7	Congruence and similarity Hours 6	2D representation of 3D shapes Hours 1	Calculating with percentages Hours 6	Measures Hours 11		Statistical measures Hours 5	Constructions and loci Hours 5

Maths Overview – Year 10 – Higher AQA

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Angles scale diagrams and bearings Hours 27	Basic number factors and multiples Hours 26	Basic algebra review Hours 15	Fractions and decimals Hours 26	Coordinates and linear graphs Hours 15	Rounding Hours 8	Collecting and representing data Hours 17	Sequences Hours 16	Basic percentages Hours 10	Perimeter and area Hours 14				
Spring	Circumference and area Hours 12		Real life graphs Hours 3		Ratio and proportion Hours 13	Properties of polygons Hours 9		Equations Hours 9		Indices Hours 7		Surds Hours 5		Basic probability Hours 7
Summer	Standards form Hours 4	Measures Hours 14	Transformations Hours 13		Congruence and similarity Hours 7		2D Representations of 3D shapes Hours 1		Calculating with percentages Hours 6		Statistical measures Hours 5		Constructions and loci Hours 5	

Maths Overview – Year 11 – Entry Level 1 and 2 AQA

If the students require more time on Entry Level 1 then the topics will be revisited during the year.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Property of number Hours 10		The Four Operations Hours 10		The Calendar and time Hours 8		Ratio Hours 3	Money Hours 4		Measures Hours 3	Geometry Hours 7			
Spring	Property of number Hours 17				The Four operations Hours 12			The Calendar and time Hours 10		Ratio Hours 24				
Summer	Money Hours 10		Measure Hours 6	Geometry Hours 11			Re-visit modules if required							

Maths Overview – Year 11 – Entry Level 3 AQA

If the students require more time on Entry Level 1 then the topics will be revisited during the year.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Property of number Hours 22				The Four Operations Hours 15			The Calendar and time Hours 11			Ratio Hours 18			
Spring	Ratio Hours 20				Money Hours 7		Measures Hours 8		Geometry Hours 13			Re-visit modules if required		
Summer	Move to Functional skills 1													

Maths Overview – Year 11 Focused 15 strands

These will be taught through the year using the Focused 15 objectives, that will support our students through both GCSE Mathematics and Functional Skills examinations (if appropriate). The 15 topics need to be covered in the year, but teachers have the freedom to use their professional judgement to dictate the speed of delivery to suit the students in front of them. The scheme is effective in two main ways. It empowers teachers to develop their students' mathematical abilities for future life after the GCSE exam, and it also allows students to bridge the gaps in knowledge that have held them back so far.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14			
Autumn	Using long multiplication and other written methods Using formal written methods for short division	Using focused written methods for long division Solving problems with four operators	Using powers and roots Comparing numbers in standard form	Understanding order of operations Using visual methods and number lines to identify equivalent fractions	Fractions (incl decimals and percentages) Recognising per cent (%) as part per hundred and writing percentages as a decimal fraction Working with equivalences between simple fractions decimals and percentages Working with equivalences between simple fractions decimals and percentages	Working with equivalences between simple fraction decimals and percentages Counting backwards through zero Number and place value	Interpreting negative numbers in context Ordering number and using correct symbolism	Expressing relationships Simplifying expressions by collecting like terms and multiplying over a bracket	Working with prime factors LCM and HCF Adding and subtracting fractions (same denominator) Fractions (including decimals)	Adding and subtracting fractions (denominators multiples of same number) Fractions including decimals and percentages	Using visual methods and number lines to identify equivalent fractions Recognising and converting between mixed numbers and improper fractions	Arithmetic with mixed numbers (INCL. NEGATIVES) Adding and subtracting fractions (denominator multiples of the same number) Multiplying proper fractions and mixed numbers by whole numbers	Multiplying simple pairs of proper fractions giving answers in simplest form Arithmetic with mixed number (including negative)	Working with percentage changes using fractions or decimals Calculating decimal fraction equivalents for a simple fraction by considering fractions as divisions	Solving percentage problems including calculation and comparison Solving problems by using fractions to calculate or divide quantities	Solving linear equations in one variable (unknown on one side) Using equations functions and graphs	Expressing numbers algebraically Substituting into formulae and expressions
Spring	Basic probability Hours 9	Ratio Hours 8	Measure Hours 25	Rounding and estimation Hours 11	Perimeter, Area and volume Hours 13	Proportion Hours 8	Simplify and solve Hours 16	Percentages Hours 12	Angles properties Hours 7	Representing data Hours 12	Solve and graph Hours 10	Averages and spread Hours 12	Transformations Hours 16				
Summer	Revision																

Maths Overview – Year 11 – Foundation AQA

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Probability hours 10		Volume hours 5	Algebra: quadratics, rearranging formulae and identities hours 16			Scatter graphs hours 4	Inequalities hours 9		Pythagoras' theorem hours 5	Simultaneous equations hours 4	Algebra and graphs hours 14		
Spring	Sketching graphs hours 8		Direct and inverse proportion hours 9		Trigonometry hours 8		Solving quadratic equations hours 2	Quadratic graphs hours 8		Growth and decay hours 3	Vectors hours 5	Revision		
Summer	Revision													

Maths Overview – Year 11 – Higher AQA

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Probability Hours 15		Volume Hours 10		Algebra: quadratics, rearranging formulas and identities Hours 16		Scatter graphs Hours 4	Number methods Hours 2	Equation s of a circles Hours 2	Further equations and graphs Hours 21			Simultaneo us equation Hours 4	Sketching graphs Hours 3
Spring	Direct & inverse proportion Hours 9	Inequalities Hours 6	Pythagoras' theorem and basic trigonometry Hour 13			Growth and decay Hours 3	Vectors Hours 6	Transfor ming functions Hour 3	Sine and cosine rules Hours 6	Circle theorems Hours 4	Gradients and rates of change Hours 4	Pre-calculus and area under the curve Hour 3	Algebraic fraction Hour 1	Revision
Summer	Revision													