

Maths

Key Stage 3 Information

Key Assessment Dates	Half termly assessments End of Year exams	
Topics covered in Yr7 Autumn term	Calculator use Analysing and Displaying Data Number Skills Expressions, Functions and Formulae Decimals and Measures	
Topics covered in Yr7 Spring term	Fractions Probability Ratio and Proportion Lines and Angles Pie Charts	
Topics covered in Yr7 Summer term	Sequences Algebraic Graphs Transformations Financial Maths	
Topics covered in Yr8 Autumn term	<u>Purple Group</u> Properties of Number Perimeter, Area and Volume Expressions and Equations Real Life Graphs	<u>Orange Group</u> Counting to 20 Repeating patterns Up to 100 Ordering Beyond 100 Counting in steps Measuring lines
Topics covered in Yr8 Spring term	<u>Purple Group</u> Ratio and Proportion Lines and Angles Fractions Linear Graphs	<u>Orange Group</u> Angles Addition and subtraction Sort it, classifying objects Making 10 - addition to 10 Using a calculator Measuring Tables Collection data Block graphs

<p>Topics covered in Yr8 Summer term</p>	<p><u>Purple Group</u> Percentages, Decimals, Fractions Statistical Graphs and Charts Financial Maths</p>	<p><u>Orange Group</u> Addition beyond 10 Rectangles and squares Subtraction Shopping problems Vertices and sides How much more, problem solving Programming journeys Solids - faces, edges and vertices Matching diagrams Lots and lots sharing/division Multiplication time Financial Maths</p>
<p>Topics covered in Yr9 Autumn term</p>	<p><u>Purple Group</u> Properties of Number Algebraic Manipulation Quadratic Expressions Analysing and Displaying Data</p>	<p><u>Orange Group</u> Number - place value, four operations, Rounding to 10,100, 1000 Sequences, fractions, factors, Multiples, Prime numbers,</p>
<p>Topics covered in Yr9 Spring term</p>	<p><u>Purple Group</u> Fractions, Ratio and Percentages Equations and Inequalities Angles Right Angled Triangles</p>	<p><u>Orange Group</u> Problem solving and consolidation, Decimals, Checking work, Problem solving, Measures - Time, Clocks, Plans and timetables, Units and size and length, Units and weight and capacity, Scales and problem solving, Money, Temperature, Financial Maths</p>
<p>Topics covered in Yr9 Summer term</p>	<p><u>Purple Group</u> Algebraic Graphs Perimeter, Area and Volume</p>	<p><u>Orange Group</u> Shape and space - 2D and 3D properties</p>

	Financial Maths	Symmetry Angles, Plans positional vocab, problem solving. Handling data - Charts and graphs, Pictograms Bar charts Line graphs Reading and comparing data Drawing charts and graphs Revision
Useful resources to support learning in this subject	Dr Frost Maths My Maths IXL Corbettmaths	

IGCSE Information

Exam board	Edexcel IGCSE Maths (4MA1)	
Units / papers students are entered for	2 Calculator Papers each 2 hours long Foundation Level Grades 5-1 Higher Level Grades 9-4	
Key Assessment Dates	End of Unit tests End of Year 10 Exams Mock Exams in November Year 11 End of Year 11	
Topics covered in Yr10 Autumn term	<u>Higher</u> Degrees of Accuracy Integers and Decimals Properties of Number Surds Indices and Standard Form Quadratic Expressions Algebraic Fractions Perimeter, Area and Volume	<u>Foundation</u> Integers and Decimals Types of Number Indices and Standard Form Algebraic Manipulation Perimeter, Area and Volume
Topics covered in Yr10 Spring term	<u>Higher</u> Statistical Measures Sets Probability Linear Equations and Inequalities	<u>Foundation</u> Sequences Statistical Measures Sets Probability

	Rearranging Formulae Real Life Graphs	Linear Equations and Inequalities Rearranging Formulae Real Life Graphs
Topics covered in Yr10 Summer term	<u>Higher</u> Linear Graphs Geometry of Shapes Transformations Similar Shapes	<u>Foundation</u> Linear Graphs Shapes and Angles Polygons Transformations
Topics covered in Yr11 Autumn term	<u>Higher</u> Pythagoras and Trigonometry Percentages Algebraic Graphs Compound Measures Expressions and Formulae	<u>Foundation</u> Pythagoras and Trigonometry Percentages Compound Measures Ratio and Proportion Expressions and Formulae
Topics covered in Yr11 Spring term	<u>Higher</u> Geometry of Shapes Circle Properties Ratio and Proportion Surds Sequence and Series Functions Transforming Graphs	<u>Foundation</u> Fractions Linear Graphs Properties of Shapes Angles Quadratics Circles and cylinders Constructions
Topics covered in Yr11 Summer term	<u>Higher</u> Vectors Calculus Revision	<u>Foundation</u> Revision
Useful resources to support learning in this subject	Dr Frost Maths My Maths Seneca Learning MathsGenie	

GCSE Information

Exam board	Edexcel GCSE Statistics (1ST01)
Units / papers students are entered for	2 Calculator Papers each 2 hours long Foundation Level Grades 5 - 1 Higher Level Grades 9 - 4
Key Assessment Dates	End of Unit tests End of Year 1 Exams Mock Exams in November Year 11 End of Year 11

Topics covered in Yr1 Autumn term	Language of Statistics Collecting and Sorting Data
Topics covered in Yr1 Spring term	Displaying Discrete Data
Topics covered in Yr1 Summer term	Displaying Continuous Data
Topics covered in Yr2 Autumn term	Statistical Analysis of data
Topics covered in Yr2 Spring term	Statistical Analysis of data Probability
Topics covered in Yr2 Summer term	Revision
Useful resources to support learning in this subject	Dr Frost Maths My Maths Maths Genie

A Level

Exam board	Edexcel A level Maths (9MA0)
Units / papers students are entered for	Pure Papers x 2 Statics and Mechanics Paper x 1 All papers are equally weighted and last 2 hours long
Key Assessment Dates	End of Unit tests End of Year 10 Exams Mock Exams in November Year 11 End of Year 11
Topics covered in Yr12 Autumn term	Algebraic Expressions and Methods Quadratics Equations and Inequalities Modelling in Mechanics Constant Acceleration Data Collection and Representation Measures of Location and Spread Graphs and Transformations Circles Binomial Distribution
Topics covered in Yr12 Spring term	Vectors Trigonometric Ratios, Graphs, Identities and Equations Probability Statistical Distributions Calculus

	<p>Correlation Forces and motion</p>
<p>Topics covered in Yr12 Summer term</p>	<p>Hypothesis Testing Variable Acceleration Exponentials and Logs Revision Algebraic Methods</p>
<p>Topics covered in Yr13 Autumn term</p>	<p>Functions Regression and Correlation Sequence and Series Binomial Expansion Moments Radians Trigonometric Functions Trigonometry and Modelling</p>
<p>Topics covered in Yr13 Spring term</p>	<p>Parametric Equations Forces and Friction Projectiles Differentiation Numerical Methods Application of Forces</p>
<p>Topics covered in Yr13 Summer term</p>	<p>The Normal Distribution Integration Further Kinematics Vectors Revision</p>
<p>Useful resources to support learning in this subject</p>	<p>Dr Frost Maths Seneca Learning MathsGenie</p>