

Maths Curriculum Map - Y11 Higher					
Higher	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
Main Topic	Algebraic Manipulation	Vectors	SOW Catch up Inequalities	Transformations of graphs Mock Exams	Exam practise
Content	Factorise and solve quadratic equations Simplify algebraic fractions. Solve equations containing algebraic fractions. Simplify and Expand expressions involving surds. Rationalise the denominator of a fraction.	Column vectors Parallel vectors Addition with vectors Subtraction with vectors Multiplication with vectors Fluency in arithmetic procedures with vectors Algebraic vector notation Parallel vectors in algebraic vector notation The sum and difference with algebraic vector notation Fluency in arithmetic procedures with algebraic vector notation Calculating the length of a vector Dividing vectors into ratios	Recap Understand and use proportion as equality of ratios; Write a ratio as a fraction and as a linear function; Write ratios in form 1 : m or m : 1 and to describe a situation Identify direct proportion from a table of values, by comparing ratios of values; Understand iproportion: Non-solutions to simultaneous linear equations Inequalities on number lines Solving more complicated linear inequalities Linear inequalities in context Solving a linear inequality graphically Relating graphical solution to algebraic solutions for inequalities Solving quadratic inequalities in one variable graphically Solving quadratic inequalities algebraically Advanced problem solving with linear inequalities	Transforming graphs: $y = f(x) + a$ Transforming graphs: $y = f(x + a)$ Transforming graphs: $y = -f(x)$ Transforming graphs: $y = f(-x)$ Transforming graphs: $y = af(x)$ Transforming graphs: $y = f(ax)$ Transforming graphs: combinations of transformations Problem solving with graph transformations	Exam practise & drop down
Key Words / terms	Rationalise, denominator, surd, ra	Reciprocal, linear, gradient, quadr	Enlarge a 2D shape by a scale		

Maths Curriculum Map - Y11 Foundation					
Foundation	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
Main Topic	Algebraic Manipulation	Vectors	SOW Catch up Inequalities	Transformations Mock Exams	Exam practise

<b>Content</b>	Factorise and solve quadratic equations Simplify algebraic fractions. Solve equations containing algebraic fractions.	Column vectors Parallel vectors Addition with vectors Subtraction with vectors Multiplication with vectors Fluency in arithmetic procedures with vectors Problem solving with vectors	Non-solutions to simultaneous linear equations Inequalities on number lines Solving simple linear inequalities Solving more complicated linear inequalities Linear inequalities in context Problem solving with linear inequalities	Multiple transformations Identifying multiple transformations Problem solving with further transformations	Exams & drop down
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