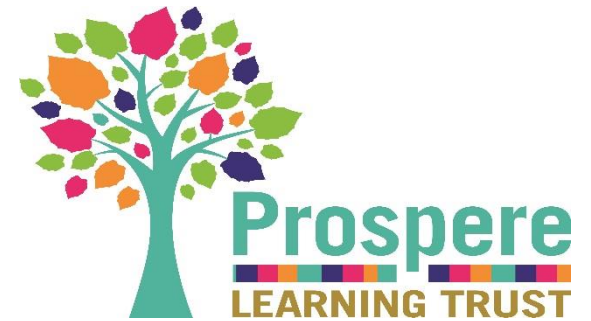


Mathematics (GCSE)



The areas of development are:	Solutions
Maths	
Please log into www.hegartymaths.com and search for the following areas:	
<ul style="list-style-type: none"> • Number 	<ul style="list-style-type: none"> • Index notation • Rounding • Fractions, percentages, decimals • Multiplying decimals • Fractional and negative indices • Adding and subtracting fractions • Percentages of an amount • Reverse percentage problem • Calculating with standard form • Compound interest • Surds
<ul style="list-style-type: none"> • Ratio and Proportion 	<ul style="list-style-type: none"> • Sharing into a ratio • Ratio, fraction and graphs • Direct and inverse proportion
<ul style="list-style-type: none"> • Algebra 	<ul style="list-style-type: none"> • Finding the nth term • Finding the nth term of a quadratic sequence • Solving equations • Angle sum of polygons • Forming formulae and equations

	<ul style="list-style-type: none"> • Rearranging formulae • Equation of a straight line • Algebraic proof • Algebraic fraction • Inverse and composite functions • Simultaneous equations • Solving quadratic equations • Transformation of graphs • Trigonometric graphs • Mathematical reasoning
<ul style="list-style-type: none"> • Shape and Measure 	<ul style="list-style-type: none"> • Metric conversions • Area of a circle • Sector area • Volume of a prism • Constructions • Pythagoras' Theorem • Similarity • Trigonometry • Advanced trigonometry
<ul style="list-style-type: none"> • Probability and Statistics 	<ul style="list-style-type: none"> • Calculating probabilities • Drawing and interpreting pie charts • Cumulative frequency • Box plots • Probability tree diagram • Sets and Venn diagrams • Averages and the range • Estimate for the mean

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