



Maths - Year 11 (Higher)



Autumn (Michaelmas) Term

What we are learning...	Consolidation	Deepen & Challenge
Pythagoras	Watch this video Pythagoras Try this worksheet Pythagoras Answers Solutions	Try these exam questions Pythagoras EQ Answers Pythagoras EQ Answers
Trigonometry	Watch these videos: SOHCAHTOA (Trigonometry) Finding the Area of Any Triangle The Sine Rule The Cosine Rule Try these worksheets SOHCAHTOA Finding the Area of Any Triangle The Sine Rule The Cosine Rule Answers SOHCAHTOA Solutions Area of triangle Solutions Sine Solutions Cosine Solutions	Watch this video 3D Pythagoras and Trigonometry Try this worksheet 3D Pythagoras and Trigonometry Answers Solutions
Transformations	Watch this video Transformations Try these worksheets Transformations worksheets Answers Transformations answers	-



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<p>Quadratics & Harder graphs</p>	<p>Watch these videos Solving Quadratics Drawing Quadratic Graphs</p> <p>Try these worksheets Solving Quadratics Quadratic Graphs</p> <p>Answers Solving quadratics Solutions Quadratic graphs Solutions</p>	<p>Watch this video Drawing Other Graphs: Cubic/Reciprocal</p> <p>Try this worksheet Cubic/Reciprocal Graphs</p> <p>Answers Cubic/reciprocal graph Solutions</p>
<p>Simultaneous equations</p>	<p>Watch this video Simultaneous Equations</p> <p>Try this worksheet Simultaneous Equations</p> <p>Answers Solutions</p>	<p>Watch this video Solving Simultaneous Equations Graphically</p> <p>Try this worksheet Solving Simultaneous Equations Graphically</p> <p>Answers Solutions</p>

Spring (Lent) Term

What we are learning...	Consolidation	Deepen & Challenge
<p>Probability</p>	<p>Watch these videos Probability Venn Diagrams</p> <p>Try this worksheet Probability and Relative Frequency Venn Diagrams</p> <p>Answers Probability Solutions Venn Solutions</p>	<p>Watch this video Probability Trees</p> <p>Try this worksheet Probability Trees</p> <p>Answers Solutions</p>
<p>Set notation</p>	<p>Watch this video Set notation</p> <p>Try this worksheet</p>	<p>-</p>



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	<p>Set Notation</p> <p>Answers Solutions</p>	
Circle properties	<p>Watch this video Circle Theorems</p> <p>Try this worksheet Circle Theorems</p> <p>Answers Solutions</p>	<p>Watch this video Circle theorems Circle Theorems</p> <p>Try these worksheets Circle Theorems Worksheet Exam Questions</p> <p>Answers can be found by clicking on the tick at the end of the worksheet</p>
Similar shapes	<p>Watch this video Similar Shapes (Lengths)</p> <p>Try this worksheet Similar Shapes (Lengths)</p> <p>Answers Solutions</p>	<p>Watch this video Similar Shapes (Area and Volume)</p> <p>Try this worksheet Similar Shapes (Area and Volume)</p> <p>Answers Solutions</p>
Function notation	<p>Watch this video Inverse and Composite Functions</p> <p>Try this worksheet Inverse and Composite Functions</p> <p>Answers: Solutions</p>	<p>Watch this video Trigonometric and Exponential Graphs</p> <p>Try this worksheet Harder Graphs: Trig/Exponential</p> <p>Answers: Solutions</p>



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Summer (Trinity) Term

What we are learning...	Consolidation	Deepen & Challenge
Vectors	Watch this video Vectors Try this worksheet Vectors Answers Solutions	Watch this video Vectors Proof Questions Try this worksheet Vectors Answers Solutions
Calculus	Watch this video Transforming Graphs $y=f(x)$ Try this worksheet Transforming Graphs $y=f(x)$ Answers Solutions	Watch this video Perpendicular Lines and the equation of a tangent Try this worksheet Perpendicular Lines Answers Solutions

Further Revision Resources for the Summer Term

Revision	Watch these videos <ul style="list-style-type: none"> • Completing the Square • Rearranging Harder Formulae • Expanding Triple Brackets • Recurring Decimals to Fractions • Fractional and Negative Indices Try these worksheets <ul style="list-style-type: none"> • Completing the Square • Rearranging Harder Formulae • Expanding Triple Brackets • Recurring Decimals to Fractions • Fractional and Negative Indices Answers <ul style="list-style-type: none"> • Completing the Square solutions • Rearranging Harder Formula solutions • Expanding Triple Bracket solutions • Recurring Decimals to Fractions solutions • Indices solutions
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