



# MATHS YEAR PLANNER (LTP)



## YEAR 12

Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
<b>Autumn 1</b> <i>Teacher 1</i> <i>Teacher 2</i>	Pure Chapter 1 – Algebraic Expressions Pure Chapter 5 – Equation of a Line Applied Chapter 8 – Modelling in Mechanics Pure Chapter 2 – Quadratics Pure Chapter 3 – Equations and Inequalities Applied Chapter 1 – Data Collection	End of half-term assessment on topics.	Complete additional work from the textbook (plenty of consolidation and extension activities).  Practice past papers and exam questions.  Use the booster packs/revision booklets to revise topics.
<b>Autumn 2</b> <i>Teacher 1</i> <i>Teacher 2</i>	Pure Chapter 8 – The Binomial Expansion Pure Chapter 11 – Vectors Applied Chapter 9 – Constant Acceleration Pure Chapter 4 – Graphs and Transformations Applied Chapter 2 – Location & Spread	End of half-term assessment on topics.  PPE in December.	Useful Websites:  <a href="https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html">https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html</a>  <a href="http://www.physicsandmathstutor.com/">http://www.physicsandmathstutor.com/</a>  <a href="https://www.examsolutions.net/a-level-maths">https://www.examsolutions.net/a-level-maths</a>

\*All assessments may be subject to alteration to best suit the learning needs of students.

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<b>Spring 1</b> <i>Teacher 1</i> <i>Teacher 2</i>	Pure Chapter 11 – Differentiation Pure Chapter 13 – Integration Pure Chapter 6 – Circles Applied Chapter 4 – Correlation Applied Chapter 5 – Probability	End of half-term assessment on topics.	Complete additional work from the textbook (plenty of consolidation and extension activities).  Practice past papers and exam questions.
<b>Spring 2</b> <i>Teacher 1</i> <i>Teacher 2</i>	Applied Chapter 10 – Forces and Motion Applied Chapter 11 – Variable Acceleration Pure Chapter 7 – Division & Factorising Applied Chapter 6 – Statistical Distributions Applied Chapter 7 – Hypothesis Testing	End of half-term assessment on topics.	Use the booster packs/revision booklets to revise topics.  Useful Websites:
<b>Summer 1</b> <i>Teacher 1</i> <i>Teacher 2</i>	Pure Chapter 14 – Exponentials & Logarithms Pure Chapter 9 – Trigonometric Ratios/Graphs Pure Chapter 10 – Trigonometric IDs&Equations	End of half-term assessment on topics.  PPE for AS Maths.	<a href="https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html">https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html</a>  <a href="http://www.physicsandmathstutor.com/">http://www.physicsandmathstutor.com/</a>
<b>Summer 2</b> <i>Teacher 1</i> <i>Teacher 2</i>	<b>A2 Content.</b> Pure Chapter 3 – Sequences & Series Pure Chapter 4 – The Binomial Expansion Pure Chapter 1 – Algebraic Fractions & Proof Pure Chapter 5 – Radians	End of half-term assessment on topics.	<a href="https://www.examsolutions.net/a-level-maths">https://www.examsolutions.net/a-level-maths</a>