

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Algebraic Manipulations and Quadratic Equations: Expanding, Factorising, Complete the Square Solving quadratics Surds: Simplifying, Rationalising the denominator Roots and Powers: Rules of Indices Negative and Fractional indices	Ratio and Proportion: Ratio problems Direct and Inverse proportion Compound measures  Number and Sequences: Linear sequences Quadratic sequences Special sequences  Angles: Basic angle facts Angles in the parallel lines Angles in the polygon  Bounds  Solving equations Graphically  Statistical diagrams Calculating Averages	Algebra: Equations Inequalities Inequality regions  Area and Volume of 3D shapes  Similarity	Linear graphs: Plotting Finding the gradient Equations of parallel and perpendicular lines Real life graphs  Solving equations Graphically  Statistical diagrams: Averages from the frequency table Scatter graphs	Statistics: Sampling and Diagrams: Frequency polygons Pie charts Cumulative frequency graphs Histograms  Right-angled triangles: Pythagoras Trigonometry Trigonometry and bearings	Graphs : Velocity and Distance time graphs Area under the graph Equation of the circle Cubics, quadratics and reciprocal graphs  Algebraic fractions  Transformations: Enlargements ( positive and negative) Translation Reflection Rotation
<b>Assessment</b>		<b>Key Concepts/ Skills</b>		<b>Reading</b>	
Termly assessments and GCSE Mock papers in December, April and June.		Developing and applying problem solving skills to answer GCSE questions.		BUG the question	
<b>Enrichment</b>		<b>Careers</b>		<b>Useful resources and revision</b>	
Further Maths afterschool club Revision sessions every Thursday.		National Careers Week, beginning in February, is a great opportunity to explore different careers in Maths.		<a href="https://sparxmaths.com/">https://sparxmaths.com/</a> <a href="https://www.1stclassmaths.com/">https://www.1stclassmaths.com/</a> <a href="https://www.mathsgenie.co.uk/gcse.php">https://www.mathsgenie.co.uk/gcse.php</a> <a href="https://www.hannahkettlemaths.co.uk/">https://www.hannahkettlemaths.co.uk/</a>	