

Term	Topic(s)	Assessed work	Additional details
1a 7 weeks 28_lessons	<p>Graphs</p> <ul style="list-style-type: none"> Distance–time graphs Velocity–time graphs Estimating the area under a curve Rates of change Equation of a circle Other graphs Transformations of the graph $y = f(x)$ <p>Algebraic fractions and functions</p> <ul style="list-style-type: none"> Algebraic fractions Changing the subject of a formula Functions Composite functions Iteration <p>Vectors</p> <ul style="list-style-type: none"> Properties of vectors Vectors in geometry 	<p>White Rose (Flashback and End of block assessment)</p> <p>Diagnostic Quizzes</p> <p>Classwork</p> <p>Homework</p>	<p>Recap:</p> <ul style="list-style-type: none"> Compound measures (speed, density and pressure) Fractions Increasing and decreasing quantities by a percentage Solving Quadratic by factorising and using quadratic formula) Averages and range Cumulative frequency and box plot Indices including fractional and negative Prime factors, LCM and HCF
1b 7 weeks 28_lessons	<p>Revision and Mocks</p> <p>Recap on Mock papers and reflect</p> <p>Revisit the following topics for depth in knowledge:</p> <ul style="list-style-type: none"> Scatter graphs and Histograms Arithmetic, geometric and special sequences Ratio Angles (Parallel lines and Polygons) Surds 	<p>31/10/22 –mock exams begin</p>	<p>You can use the following resources for Mock revision:</p> <p>GCSEPOD</p> <p>https://justmaths.co.uk/2015/12/21/9-1-exam-questions-by-topic-higher-tier/</p> <p>https://www.onmaths.com/</p> <p>https://www.mathsgenie.co.uk/</p> <p>https://www.bbc.co.uk/bitesize/subjects/z38pycw</p> <p>https://corbettmaths.com/</p> <p>free Pearson online lessons:</p> <p>https://www.pearson.com/uk/educators/schools/subject-area/mathematics/unrivalled-support/support-from-pearson/free-online-gcse-maths-lessons.html</p> <p>White Rose</p> <p>Sparx</p>
2a 6 weeks 24_lessons	<p>Revisit the following topics for depth in knowledge:</p> <ul style="list-style-type: none"> Straight Line graphs Transformations (translation, reflection, rotation, enlargement) Pythagoras including 3D Compound interest and reverse percentage Basic trigonometry Area, surface area and volume 		<p>Weekly Practice sets</p>
2b 6 weeks 24_lessons	<p>Revision and Mocks</p> <p>Recap on Mock papers</p> <p>Revisit:</p> <ul style="list-style-type: none"> Similar Shapes Probability Upper and lower bound Solving equations and inequalities <p>Weekly Practice sets/previous exam papers</p>		<p>You can use the following resources for Mock revision:</p> <p>GCSEPOD</p> <p>https://justmaths.co.uk/2015/12/21/9-1-exam-questions-by-topic-higher-tier/</p> <p>https://www.onmaths.com/</p> <p>https://www.mathsgenie.co.uk/</p> <p>https://www.bbc.co.uk/bitesize/subjects/z38pycw</p> <p>https://corbettmaths.com/</p> <p>free Pearson online lessons:</p> <p>https://www.pearson.com/uk/educators/schools/subject-area/mathematics/unrivalled-support/support-from-pearson/free-online-gcse-maths-lessons.html</p> <p>White Rose</p> <p>Sparx</p>
3a 6 weeks 24_lessons	<p>Revisit:</p> <ul style="list-style-type: none"> Stratified sample, Frequency Polygon and stem and leaf diagram Circle Theorems Sine and Cosine rule Direct and inverse proportion Proof Functions (composite, inverse and transformations) 		<p>Weekly Practice sets/previous exam papers</p>