



	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Year 7	<p>Topic: Algebraic thinking</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of sequences, algebraic notation and equality and equivalence.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Place value and Proportion</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of place value and ordering of integers and decimals. Students will also focus on fraction, decimal and percentage equivalence.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Applications of number</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of how to solve problems using addition, subtraction, multiplication and division. Students will also focus on fractions and percentages of amounts.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Direct number</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of using operations and equations with negative numbers.</p> <p>Outcome: Topic test</p> <p>Duration: 9 lessons</p> <p>Topic: Fractional thinking</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of working with fractions, to include adding and subtracting fractions.</p> <p>Outcome: Topic test</p> <p>Duration: 9 lessons</p>	<p>Topic: Line and angles</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths, Protractors and pairs of compasses.</p> <p>Focus: Students will develop their understanding of constructing, measuring and using geometric notation. Students will also focus on developing geometric reasoning.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Reasoning with number</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of number sense, probability, prime numbers and proof.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>



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Year 8	<p>Topic: Proportional Reasoning</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of ratio and scale, multiplicative change and multiplying and dividing fractions.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Representations</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of working in the Cartesian plane, representing data and tables &amp; probability.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Algebraic Techniques</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of equations and inequalities, sequences and indices.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Developing Number</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of fractions and percentages, standard index form and number sense.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Developing Geometry</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of angles in parallel lines and polygons, area of trapezia and circles, line symmetry and reflection</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Reasoning with Data</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of the data handling cycle and measures of location.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>



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Year 9	<p>Topic: Reasoning with Algebra</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of straight-line graphs, forming and solving equations and testing conjectures.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Constructing in 2 and 3 Dimensions</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of three-dimensional shapes. Students will also focus on constructions and congruency.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Reasoning with Numbers</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of reasoning with numbers, using percentages and financial maths.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Reasoning with Geometry</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of 2D shapes using deduction, rotation and translation and Pythagoras' theorem.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Reasoning with Proportion</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their understanding of enlargement and similarity, solving ratio and proportion problems and rates of change.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Representations</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, White Rose Maths</p> <p>Focus: Students will develop their representations of probability and algebra.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>



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Year 10	<p>Topic: Similarity</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students will develop their understanding of congruence, similarity and enlargement. Students will also focus on Pythagoras and trigonometry.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Developing Algebra</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students will develop their understanding of representing solutions of equations and inequalities. Students will also focus on solving simultaneous equations.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Geometry</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students will develop their understanding of angles and bearings, working with circles and vectors.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Proportions and Proportional Change</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students will develop their understanding of ratios and fractions, percentages to include interest and probability.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Delving into Data</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students will develop their understanding of collecting, representing and interpreting data.</p> <p>Outcome: Topic test</p> <p>Duration: 12 lessons</p> <p>Topic: Using Number</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students will develop their understanding of using non-calculator methods,</p>	<p>Topic: Using Number</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students will develop their understanding of types of number, sequences, indices and roots.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p> <p>Topic: Manipulating expressions</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students will develop their understanding of algebraic fractions, identities and proof.</p> <p>Duration: 6 lessons</p>



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Year 11	<p>Topic: Graphs</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students to further develop their understanding of gradients and lines, non-linear graphs and using graphs to find information.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Algebra</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students to further develop their understanding of expanding and factorising, rearranging formulae and using function notation.</p> <p>Outcome: Mock Exam and analysis</p> <p>Duration: 18 lessons</p>	<p>Topic: Reasoning</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students to further develop their understanding of multiplicative, geometric and algebraic reasoning.</p> <p>Outcome: Topic test</p> <p>Duration: 18 lessons</p>	<p>Topic: Revision and Communication</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths</p> <p>Focus: Students to further develop their understanding of transformations and constructions, listing and describing and proof.</p> <p>Outcome: Mock Exam and analysis</p> <p>Duration: 18 lessons</p>	<p>Topic: Revision and exam preparation.</p> <p>Resources: CGP textbooks, Sparx, Corbett Maths, On Maths, Maths Made Easy, White Rose Maths, Past papers</p> <p>Focus: Recapping key topics and practising answering exam questions. Developing exam technique.</p> <p>Duration: 12 lessons</p>	