

Year 7 Overview 2021-2022

Autumn 1	Spring 1	Summer 1
<p><u>Algebraic Thinking</u></p> <p>1. Exploring Sequences</p> <p>2. Understand and use algebraic notation</p> <p>3. Equality and equivalence</p> <p><u>Place Value and Proportion</u></p> <p>4. Place value and ordering integers and decimals</p> <p>5. Fraction, decimal and percentage equivalence</p>	<p><u>Applications of Number</u></p> <p>6. Solving problems with addition and subtraction</p> <p>7. Solving problems with multiplication and division</p> <p><u>Applications of Number</u></p> <p>8. Fraction, decimal and percentage equivalence and Fractions & percentages of amounts</p> <p>9. Addition and subtraction of fractions</p>	<p><u>Lines and Angles</u></p> <p>10. Directed number</p> <p>11. Constructing, measuring and using geometric notation</p> <p>12. Developing geometric reasoning</p> <p><u>Reasoning and Number</u></p> <p>13. Developing number sense</p> <p>14. Sets and Probability</p> <p>Consolidation and revision</p>

Year 8 Overview 2021-2022

Autumn 1	Spring 1	Summer 1
<p><u>Reasoning with Number</u></p> <p>9. Factors, multiples and primes</p> <p>10. Directed Numbers</p> <p><u>Fractional Thinking</u></p> <p>11. Addition & Subtraction of fractions</p> <p><u>Proportional Reasoning</u></p> <p>12. Ratio and Scale</p> <p>13. Multiplicative change</p> <p>14. Multiplying & Dividing Fractions</p> <p><u>Working in the Cartesian Plane</u></p> <p>15. Linear Graphs</p>	<p><u>Working in the Cartesian Plane</u></p> <p>15. Linear Graphs</p> <p><u>Algebraic Techniques</u></p> <p>17. Brackets, equations & inequalities</p> <p>18. Sequences</p> <p>19. Indices</p> <p><u>Developing Number</u></p> <p>20. Standard form</p> <p>21. Fractions and Percentages</p>	<p><u>Developing Number</u></p> <p>22. Number Sense</p> <p><u>Developing Geometry</u></p> <p>23. Construction & Measuring/Geometric reasoning</p> <p>24. Angles in parallel lines & polygons</p> <p>25. Area of trapezia & circles</p> <p><u>Reasoning with Data</u></p> <p>26. Data Handling</p> <p><u>Probability</u></p> <p>16. Sets, Tables & Probability</p>

Year 9 Overview 2021-2022

Autumn 1:	Graphs and Proportion <u>(1a) Cartesian coordinates, (1b) Linear graphs, (1c) Real life graphs, (1d) Direct and inverse proportion, (1e) Calculate with scales</u>
Autumn 2:	Algebraic Expressions <u>(2a) Sequences including arithmetic and geometric, (2b) Algebraic manipulation, (2c) Change the subject of a formula, (2d) Expansion,</u> <u>(2e) Factorisation</u>
Spring 1:	Equations and Inequalities <u>(4a) Construct and solve equations and inequalities, (4b) Graphical solutions to simultaneous linear equations, (4c) Quadratic and other graphs</u>
Spring 2:	2D Geometry <u>(3a) Construction and Loci, (3b) Triangles and Quadrilaterals (angles on diagonals), (3c) Congruence and Similarity, (3d) Angles in Polygons</u>
Summer 1:	Geometry <u>(5a) Transformations (translation, rotation, reflection), (5b) Pythagoras' theorem, (5c) Exploring trigonometry with a-right angled triangle</u>
Summer 2:	Statistics <u>(1b) (1c) Review learning on graphs</u>