

Mathematics	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7/8	<b>Number and Arithmetic</b> <ul style="list-style-type: none"> <li>- Add and Subtract</li> <li>- Long multiplication</li> <li>- Long division</li> <li>- Place value (Inc. decimals)</li> <li>- Negative numbers</li> <li>- BODMAS</li> <li>- Estimation</li> <li>- Rounding</li> <li>- Word problems</li> </ul>	<b>Approximations and Powers</b> <ul style="list-style-type: none"> <li>- Rounding recap</li> <li>- Estimating recap</li> <li>- Power Laws</li> <li>- Roots</li> <li>- Prime numbers</li> </ul> <b>Geometry 1</b> <ul style="list-style-type: none"> <li>- Perimeter</li> <li>- Area</li> <li>- Volume</li> </ul>	<b>Fractions</b> <ul style="list-style-type: none"> <li>- Equivalent fractions</li> <li>- Add/subtract fractions</li> <li>- Multiply/divide fractions</li> <li>- Compare/order fractions and decimals</li> <li>- Percentages</li> </ul> <b>Geometry 2</b> <ul style="list-style-type: none"> <li>- 2D shape</li> <li>- 3D properties</li> <li>- Angle rules</li> <li>- Reflection</li> <li>- Rotation</li> <li>- Translation</li> </ul>	<b>Ratio, proportion and rates of change</b> <ul style="list-style-type: none"> <li>- Ratio word problems</li> <li>- Proportion word problems</li> <li>- Percentage change</li> <li>- Time recap</li> <li>- Money recap</li> <li>- Units, measure</li> <li>- Maps and scales</li> </ul> <b>Geometry 3</b> <ul style="list-style-type: none"> <li>- Draw, measure and name acute and obtuse angles</li> <li>- Find unknown angles (straight lines, at a point, vertically opposite)</li> <li>- Properties of triangles and quadrilaterals</li> <li>- Circles</li> </ul>	<b>Algebra</b> <ul style="list-style-type: none"> <li>- Order of operations</li> <li>- Simplifying algebraic expressions</li> <li>- Solve word problems with expressions</li> <li>- Writing and substituting formula</li> <li>- Sequences (term-to-term, not nth term)</li> <li>- Plotting graphs</li> </ul> <b>Probability</b> <ul style="list-style-type: none"> <li>- Probability Scale</li> <li>- Theoretical probability</li> <li>- Experiments</li> <li>- Sets</li> </ul>	<b>Statistics</b> <ul style="list-style-type: none"> <li>- Tables, bar charts, pictograms</li> <li>- Pie charts</li> <li>- Correlation</li> <li>- Averages and range</li> <li>- Convert between percentages and fractions and decimals</li> <li>- Percentage of a quantity</li> </ul>

Year 9	<p><b>Number and Arithmetic</b></p> <ul style="list-style-type: none"> <li>- Add and Subtract</li> <li>- Long multiplication</li> <li>- Long division</li> <li>- Place value (Inc. decimals)</li> <li>- Negative numbers</li> <li>- BODMAS</li> <li>- Estimation</li> <li>- Rounding</li> <li>- Word problems</li> </ul>	<p><b>Approximations and Powers</b></p> <ul style="list-style-type: none"> <li>- Standard Form</li> <li>- Power Laws</li> <li>- Roots</li> <li>- Prime numbers</li> </ul> <p><b>Geometry 1</b></p> <ul style="list-style-type: none"> <li>- Perimeter</li> <li>- Area of parallelogram</li> <li>- Volume</li> <li>- Pythagoras Theorem</li> </ul>	<p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>- Equivalent fractions</li> <li>- Add/subtract fractions</li> <li>- Multiply/divide fractions</li> <li>- Compare/order fractions and decimals</li> <li>- Percentages</li> </ul> <p><b>Geometry 2</b></p> <ul style="list-style-type: none"> <li>- 2D shape</li> <li>- 3D properties</li> <li>- Angle rules</li> <li>- Reflection</li> <li>- Rotation</li> <li>- Translation</li> </ul>	<p><b>Ratio, proportion and rates of change</b></p> <ul style="list-style-type: none"> <li>- Ratio word problems</li> <li>- Proportion word problems</li> <li>- Percentage change</li> <li>- Time recap</li> <li>- Money recap</li> <li>- Units, measure</li> <li>- Maps and scales</li> </ul> <p><b>Geometry 3</b></p> <ul style="list-style-type: none"> <li>- Draw, measure and name acute and obtuse angles</li> <li>- Find unknown angles (straight lines, at a point, vertically opposite)</li> <li>- Properties of triangles and quadrilaterals</li> <li>- Circles</li> </ul>	<p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>- Order of operations</li> <li>- Simplifying algebraic expressions</li> <li>- Solve word problems with expressions</li> <li>- Writing and substituting formula</li> <li>- Sequences (term-to-term, not nth term)</li> <li>- Plotting graphs</li> </ul> <p><b>Probability</b></p> <ul style="list-style-type: none"> <li>- Probability Scale</li> <li>- Theoretical probability</li> <li>- Experiments</li> <li>- Sets</li> </ul>	<p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>- Tables, bar charts, pictograms</li> <li>- Line graphs</li> <li>- Pie charts</li> <li>- Scatter graphs</li> <li>- Tables</li> <li>- Averages and range</li> <li>- Convert between percentages and fractions and decimals</li> <li>- Comparing distribution</li> <li>- Percentage of a quantity</li> </ul>
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Year 10/11	<p><b>Number and Arithmetic</b></p> <ul style="list-style-type: none"> <li>- Add and Subtract</li> <li>- Long multiplication</li> <li>- Long division</li> <li>- Place value (Inc. decimals)</li> <li>- Negative numbers</li> <li>- Decimal places</li> <li>- Significant figures</li> <li>- Word problems</li> </ul>	<p><b>Approximations and Powers</b></p> <ul style="list-style-type: none"> <li>- Standard Form</li> <li>- Power Laws</li> <li>- Roots</li> <li>- Prime numbers</li> </ul> <p><b>Geometry 1</b></p> <ul style="list-style-type: none"> <li>- Perimeter</li> <li>- Area</li> <li>- Volume</li> <li>- Surface Area</li> <li>- Pythagoras Theorem</li> <li>- Trigonometry</li> <li>- Circles</li> </ul>	<p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>- Equivalent fractions</li> <li>- Add/subtract fractions</li> <li>- Multiply/divide fractions</li> <li>- Compare/order fractions and decimals</li> <li>- Percentages</li> </ul> <p><b>Geometry 2</b></p> <ul style="list-style-type: none"> <li>- 2D shape recap</li> <li>- 3D properties recap</li> <li>- Angle rules</li> <li>- Polygons</li> <li>- Reflection</li> <li>- Rotation</li> <li>- Translation</li> </ul>	<p><b>Ratio, proportion and rates of change</b></p> <ul style="list-style-type: none"> <li>- Ratio Problems</li> <li>- Percentage change problems</li> <li>- Direct and Inverse Proportion</li> <li>- Time recap</li> <li>- Money recap</li> <li>- Units, measure</li> <li>- Maps and scales</li> </ul> <p><b>Geometry 3</b></p> <ul style="list-style-type: none"> <li>- Draw, measure and name acute and obtuse angles</li> <li>- Find unknown angles (straight lines, at a point, vertically opposite)</li> <li>- Properties of triangles and quadrilaterals</li> <li>- Circles</li> </ul>	<p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>- Order of operations</li> <li>- Simplifying algebraic expressions</li> <li>- Solve word problems with expressions</li> <li>- Writing and substituting formula</li> <li>- Sequences (term-to-term, not nth term)</li> <li>- Plotting graphs</li> </ul> <p><b>Probability</b></p> <ul style="list-style-type: none"> <li>- Theoretical probability</li> <li>- Experiments</li> <li>- Sets</li> </ul>	<p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>- Tables, bar charts, pictograms</li> <li>- Line graphs</li> <li>- Pie charts</li> <li>- Scatter graphs</li> <li>- Tables</li> <li>- Averages and range</li> <li>- Convert between percentages and fractions and decimals</li> <li>- Percentage of a quantity</li> </ul>
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