

Key Stage 3 (Higher)

Subject: Numeracy

Head of Faculty: Mrs Speer

Numeracy Lead: Miss Arends

**Statement of Curriculum Intent:**

For every pupil to have a deep understanding of numeracy preparing them for the challenges of the twenty-first century.

<b>Numeracy SOW Overview</b>		
<b>Y7 Term 1 Content Overview</b>	<b>Y7 Term 2 Content Overview</b>	<b>Y7 Term 3 Content Overview</b>
<ul style="list-style-type: none"> <li>Working with decimals</li> <li>Square numbers, powers, roots</li> <li>Factors, multiples, prime numbers</li> <li>Negative numbers</li> <li>Rounding</li> </ul>	<ul style="list-style-type: none"> <li>Fractions – simplifying, ordering</li> <li>Fractions – 4 operations</li> <li>BIDMAS</li> <li>Converting units of time</li> <li>Using a calculator</li> </ul>	<ul style="list-style-type: none"> <li>Reading timetables</li> <li>Metric/Imperial conversions</li> <li>Converting currencies</li> <li>Scale diagrams</li> <li>Properties of 2D/3D shapes</li> </ul>
<b>Y8 Term 1 Content Overview</b>	<b>Y8 Term 2 Content Overview</b>	<b>Y8 Term 3 Content Overview</b>
<ul style="list-style-type: none"> <li>Worded problems with decimals</li> <li>Fractions – 4 operations</li> <li>Percentage of an amount</li> <li>Percentage increase/decrease</li> <li>Averages</li> </ul>	<ul style="list-style-type: none"> <li>Area/perimeter/volume</li> <li>Angle facts</li> <li>Collect/recording data in tables</li> <li>Draw/Analyse Pie Charts</li> <li>Pictograms</li> </ul>	<ul style="list-style-type: none"> <li>Bar charts/line graphs</li> <li>Stem and leaf</li> <li>Probability – likelihood of events</li> <li>Probability – Venn diagrams</li> <li>Frequency trees</li> </ul>
<b>Y9 Term 1 Content Overview</b>	<b>Y9 Term 2 Content Overview</b>	<b>Y9 Term 3 Content Overview</b>
<b>Skills recap:</b> <ul style="list-style-type: none"> <li>Four operations with decimals</li> <li>Rounding (dec. places)</li> <li>Negative numbers (4 operations)</li> <li>Fractions – 4 operations, simplifying</li> <li>Percentages – increase/decrease</li> <li>Frequency trees</li> </ul>	<b>Problem solving:</b> <ul style="list-style-type: none"> <li>Money problems</li> <li>Currency conversions</li> <li>Using information from a table</li> <li>Recipe problems</li> <li>Proportion</li> <li>Fractions/percentages problems</li> </ul>	<b>Problem solving:</b> <ul style="list-style-type: none"> <li>Area/perimeter/volume (Inc. algebra)</li> <li>Circles – area/circumference</li> <li>Angle problems (Inc. algebra)</li> <li>Speed/distance/time</li> <li>Probability</li> <li>Coordinates</li> </ul>



Key Stage 3 (Foundation)

Subject: Numeracy

Head of Faculty: Mrs Speer

Numeracy Lead: Miss Arends

**Statement of Curriculum Intent:**

For every pupil to have a deep understanding of numeracy preparing them for the challenges of the twenty-first century.

Numeracy SOW Overview		
Y7 Term 1 Content Overview	Y7 Term 2 Content Overview	Y7 Term 3 Content Overview
<ul style="list-style-type: none"> <li>• The 4 operations</li> <li>• Working with decimals</li> <li>• Ordering numbers</li> <li>• Square numbers, powers, roots</li> <li>• Negative numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Powers of 10</li> <li>• Rounding (10,100.1000)</li> <li>• Factor, multiples, prime numbers</li> <li>• Fractions – simplifying/equivalent</li> <li>• Fractions – 4 operations</li> </ul>	<ul style="list-style-type: none"> <li>• BIDMAS</li> <li>• Using a calculator</li> <li>• Time – converting units</li> <li>• Reading timetables</li> <li>• Names/properties of 2D/3D shapes</li> </ul>
Y8 Term 1 Content Overview	Y8 Term 2 Content Overview	Y8 Term 3 Content Overview
<ul style="list-style-type: none"> <li>• 4 operations with decimals</li> <li>• Negative numbers</li> <li>• Rounding (dec. places)</li> <li>• Factors, multiple, prime numbers</li> <li>• BIDMAS</li> </ul>	<ul style="list-style-type: none"> <li>• Percentage of an amount</li> <li>• Percentages – increase/decrease</li> <li>• Finding mean, median, mode and range</li> <li>• Symmetry</li> </ul>	<ul style="list-style-type: none"> <li>• Coordinates</li> <li>• Angle facts</li> <li>• Frequency trees</li> <li>• Area/perimeter/volume</li> <li>• Drawing bar charts</li> </ul>
Y9 Term 1 Content Overview	Y9 Term 2 Content Overview	Y9 Term 3 Content Overview
<p><b>Skills recap:</b></p> <ul style="list-style-type: none"> <li>• Four operations with decimals</li> <li>• Rounding (dec. places)</li> <li>• Negative numbers (4 operations)</li> <li>• Fractions – 4 operations, simplifying</li> <li>• Percentages of an amount</li> <li>• BIDMAS and averages</li> </ul>	<p><b>Problem solving:</b></p> <ul style="list-style-type: none"> <li>• Money problems</li> <li>• Currency conversions</li> <li>• Using information from a table</li> <li>• Recipe problems</li> <li>• Time problems</li> <li>• LCM problems</li> </ul>	<p><b>Problem solving:</b></p> <ul style="list-style-type: none"> <li>• Coordinates</li> <li>• Estimation worded problems</li> <li>• Area/perimeter problems (Inc. money)</li> <li>• Angle problems (Inc. algebra)</li> <li>• Speed/distance/time problems</li> <li>• Probability</li> </ul>