

# Kelmscott School Curriculum



Subject: <b>Maths Higher (Set 1 and Set 2)</b> Year: <b>9</b>	
Autumn term Half term 1	Unit of learning: <ul style="list-style-type: none"> <li>• <b>Fractions and Decimals</b></li> <li>• <b>Prime Factor Decomposition, Highest Common Factor and Lowest Common Multiple</b></li> <li>• <b>Indices (Laws I to III)</b></li> <li>• <b>Standard Form</b></li> <li>• <b>Algebra: Expanding &amp; Factorising</b></li> </ul>
	Unit of learning: <ul style="list-style-type: none"> <li>• <b>Angles (triangles, quadrilaterals and polygons: interior &amp; exterior)</b></li> </ul> Autumn Term Test <ul style="list-style-type: none"> <li>• <b>Ratio and Proportion</b></li> <li>• <b>Averages, stem and leaf, two-way tables, comparative and composite bar charts, pie charts and sampling.</b></li> </ul>
Spring term Half term 1	Unit of learning: <ul style="list-style-type: none"> <li>• <b>Percentages</b></li> <li>• <b>Algebra: Equation &amp; Formulae</b></li> </ul> Revision
	Unit of learning: <ul style="list-style-type: none"> <li>• <b>Pythagoras' and Trigonometry</b></li> </ul> Spring Term Test <ul style="list-style-type: none"> <li>• <b>Perimeter and Area of 2D shapes including circles and sectors.</b></li> <li>• <b>Fractions, Decimals &amp; Percentages</b></li> <li>• <b>Ratio and Proportion</b></li> </ul>
Summer term Half term 1	Unit of learning: <ul style="list-style-type: none"> <li>• <b>Transformations: Reflection, Rotation, Translation &amp; Enlargement</b></li> <li>• <b>Graphs: Linear, Quadratic, Cubic and Reciprocal</b></li> <li>• <b>Bearings and Scale Drawings</b></li> </ul>
	Unit of learning: <ul style="list-style-type: none"> <li>• <b>Scatter Graphs, Time Series, Frequency Polygon, Misleading Graphs</b></li> </ul> Summer Term Test (end of year) <ul style="list-style-type: none"> <li>• <b>Volume &amp; Surface Area (cylinder, sphere, pyramid and cones)</b></li> <li>• <b>Constructions and Loci</b></li> <li>• <b>Surds</b></li> </ul>

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