

**Year 9**

**Subject: Maths**

		Autumn 1 7 weeks	Autumn 2 7 weeks	Spring 1	Spring 2	Summer 1	Summer 2
YEAR 9 TOPICS:		Geometry II and Ratio	Number I and II	Data I and II and Sequences (Algebra III)	Algebra III	Algebra I and II	Geometry I and IV
CONTENT		<ul style="list-style-type: none"> <li>*Angles Rules and Bearings.</li> <li>*Circle Theorems (dep)</li> <li>*Pythagoras and Trigonometry (dep)</li> <li>*Ratio and Proportionality</li> </ul>	<ul style="list-style-type: none"> <li>*Number Types and concepts</li> <li>*Directed number</li> <li>*Numeracy reminders</li> <li>*Rounding and Bounds</li> <li>*Standard Form</li> <li>*SURDS</li> <li>*Calculations in FDP</li> <li>*Fractions Decimals and Percentages skills and calculations with and without a Sci Calculator</li> </ul>	<ul style="list-style-type: none"> <li>*Averages raw and tabled.</li> <li>*Data presentation and interpretation - includes data for averages</li> <li>*Sequences (with substitution reminder) this will include some basic quadratic sequences and introduction to geometric sequences</li> </ul>	<ul style="list-style-type: none"> <li>*Sequences continued if ness</li> <li>*Graphing - all aspects including Linear/Quadratic/Conversion/Time Distance/Real Life</li> <li>*Compound Measures (DST/DMV)</li> </ul>	<ul style="list-style-type: none"> <li>*Review and practice of Algebraic skills (including expanding trip brackets and factorising by difference of two squares for higher sets)</li> <li>*Review of algebra rules, conventions and language</li> <li>*Making and Solving Inequalities and Equations, linear and quadratic</li> </ul>	<ul style="list-style-type: none"> <li>*Perimeter Area and Volume</li> <li>*Transformations</li> <li>*Similarity</li> <li>*Construction and Loci</li> <li>*Enrichment</li> </ul>
HWK AND ASSESSMENT		<ul style="list-style-type: none"> <li>* Assessment Angle Rules Week 5/6</li> <li>*Weekly homework set on Dr Frost site</li> </ul>	<ul style="list-style-type: none"> <li>*Ratio and Proportion Assessment Week 4/ 5 after Christmas</li> <li>*Weekly homework set on Dr Frost site</li> </ul>	<ul style="list-style-type: none"> <li>*Data and Averages Assessment mid-term</li> <li>*Weekly homework set on Dr Frost site</li> </ul>		<ul style="list-style-type: none"> <li>*Sequences and Graphs Assessment early in the half-term</li> <li>*Weekly homework set on Dr Frost site</li> </ul>	<ul style="list-style-type: none"> <li>*End of Key Stage 3 Assessment on all aspects of Maths learning.</li> </ul>