

Fareham Academy Maths Overview – Year 10 Foundation

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic(s)	Number and Algebra	Statistics, number, algebra and ratio	Statistics and Algebra	Geometry and Algebra	Geometry and Probability	Geometry, algebra and revision
Topic Objectives	<p>Consolidate and develop fluency of core number topics.</p> <p>Consolidate algebraic manipulation and basic sequences.</p>	<p>Consolidate averages.</p> <p>Develop fluency on fractions, decimals and percentages.</p> <p>Consolidate algebraic manipulation and ratio and proportion.</p>	<p>Evaluate different methods of presenting data.</p> <p>Apply different methods to manipulate a range of equations, inequalities and formulae.</p>	<p>Recall geometrical properties fluently and apply correct formulae to appropriate problems.</p> <p>Create equation of a line and apply this to different scenarios.</p>	<p>Recall key angle facts and apply to GCSE scenarios.</p> <p>Evaluate probability problems using correct methods.</p>	<p>Apply constructions and Loci knowledge to GCSE problems.</p> <p>Extend topics relevant to class or individual students.</p>
Acquired Knowledge/Skills	<p>Recap of core skills of number and use of calculators.</p> <p>Recap of algebraic manipulation around expressions and formula.</p> <p>Apply nth term of linear sequences.</p>	<p>Apply averages.</p> <p>Develop fluency of fraction, decimal, and percentage conversions and calculations.</p> <p>Extend algebraic manipulation through expanding and factorising.</p> <p>Consolidate notation and language of ratio.</p>	<p>Recall methods of presenting data and evaluate which methods are relevant in different situations.</p> <p>Consolidate solving equations and apply this to inequalities and rearranging formulae.</p>	<p>Recall key formulae for area and volume of simple and complex shapes.</p> <p>Apply correct formulae and prior skills to appropriate geometrical scenarios.</p> <p>Create equation of a line and apply this to real life graphs.</p>	<p>Apply angle facts in GCSE applications.</p> <p>Problem solve and reason using angle facts.</p> <p>Evaluate probability methodology and apply correct methods to different problems as well as reason effectively through probability models.</p>	<p>Apply knowledge of constructions and Loci to GCSE problems.</p> <p>Reconsolidate topics diagnosed throughout year as needing revision.</p>
Assessments	Mock Exam: Number and Algebra	Mock Exam: Statistics, number, algebra and ratio	Mock Exam: Statistics and Algebra	Mock Exam: Geometry and Algebra	Mock Exam: Geometry and Probability	End of year Mock Exam