

Top-Level Overview for Key Stage 4 Curriculum: Maths – Foundation

1. Endpoint for the end of Key Stage 4:

Students develop secure knowledge with number, ratio and proportion, algebra, shape and measures, and data handling. They learn how to apply this knowledge fluently using suitable mathematical methods. They develop understanding by linking mathematical knowledge and methods to solve increasingly complex problems. They can apply their knowledge to a variety of problems with increasing sophistication. They use mathematical reasoning by following a line of enquiry and breaking down more complex problems into a series of simpler steps which leads to a solution.

2. Topic Overview

Year Group	Autumn Term	Spring Term	Summer Term
	Topics:	Topics:	Topics:
10	1. Number 2. Algebra 3. Graphs, tables and charts 4. Fractions and percentages	1. Equations, inequality and sequences 2. Angles 3. Averages and range 4. Perimeter, area and volume	1. Graphs 2. Transformation 3. Ratio and proportion 4. Right Angles and triangles 5. Probability
11	1. Multiplicative reasoning 2. Constructions, loci and bearings 3. Quadratic equations and graphs 4. Perimeter, area and volume	1. Fractions, indices and standard form 2. Congruence, similarity and vectors 3. Algebra 4. Revision	1. Revision 2. Revision