

Top-Level Overview for Key Stage 4 Curriculum: Maths - Higher

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. Interpreting and representing data 4. Fractions, ratio and proportion	1. Angles and trigonometry 2. Graphs 3. Area and volume 4. Transformations and constructions	1. Equations and inequalities 2. Probability 3. Multiplicative reasoning 4. Similarity and congruence 5. Further statistics
11	1. Equations and graphs 2. Circle theorems 3. More algebra 4. Vectors and geometric proof	1. More trigonometry 2. Proportion and graphs 3. Revision	1. Revision