



Blue Coat Church of England Academy

Year: 10

Subject: Mathematics

Overview

At Blue Coat Academy, the Mathematics department aims to promote a love of learning for the subject with applications to real-life to allow pupils to see its importance. Careers plenaries are used over the course of the year to reinforce this alongside a key focus on reasoning and problem-solving.

Pupils are set according to Year 9 data. The content for Year 10 builds on work covered in KS3 with a key focus on exam preparation and skills. Pupils will follow the Higher or Foundation tiered content and are assessed three times over the academic year on content covered in lessons to check their understanding and to embed exam style questions. This includes a full GCSE mock (3 papers) during Term 2. All pupils have access to the MathsWatch VLE site to assist with independent learning, homework and revision.

Units covered

Higher tier	Foundation tier
Number Algebra Interpreting and representing data Fractions, ratio and percentages Angles and trigonometry Graphs Area and volume Transformations and constructions Equations and inequalities Probability Multiplicative reasoning Similarity and congruence	Number Algebra Graphs, tables and charts Fractions and percentages Fractions, indices and Standard Form Equations, inequalities and sequences Angles Averages and range Perimeter, area and volume 1 Graphs Transformations Ratio and proportion

Further exam board information and guidance can be gained from:

<https://qualifications.pearson.com/content/dam/pdf/GCSE/mathematics/2015/specification-and-sample-assessment/gcse-maths-2015-specification.pdf>