



Blue Coat Church of England Academy

Year: 7

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. Enrichment activities are used over the course of the year to reinforce this alongside a key focus on reasoning and problem-solving.

Year 7 pupils are set according to KS2 data and follow a pathway based on their mathematical ability. Pupils are assessed three times over the academic year on content covered in lessons to check their understanding and to embed exam style questions. All pupils have access to the MathsWatch VLE site to assist with independent learning, homework and revision.

Units Covered

7s/Ma1 and 7t/Ma1	7s/Ma2 and 7t/Ma2	7s/Ma3 and 7t/Ma3
Counting and comparing	Calculating	Calculating – add and subtract
Numbers and the number system	Numbers and the number system	Counting and comparing
Cross-curricular skills	Cross-curricular skills	Cross-curricular skills
Calculating	Calculating: division	Calculating – multiply and divide
Visualising and constructing	Visualising and constructing	Numbers and the number system
Checking, approximating and estimating	Checking, approximating and estimating	Checking, approximating and estimating
Investigating properties of shapes	Investigating properties of shapes	Investigating properties of shapes
Exploring fractions, decimals and percentages	Exploring fractions, decimals and percentages	Exploring fractions, decimals and percentages
Proportional reasoning	Proportional reasoning	Problem solving
Problem solving	Problem solving	Visualising and constructing
Calculating fractions, decimals and percentages	Calculating fractions, decimals and percentages	Calculating fractions, decimals and percentages
Algebraic proficiency: tinkering	Algebraic proficiency: using formulae	Basic Algebra
Measuring space	Measuring space	Measuring space
Investigating angles	Investigating angles	Investigating angles
Solving equations and inequalities	Solving equations and inequalities	Solving equations
Pattern sniffing	Pattern sniffing	Pattern sniffing
Calculating space	Calculating space	Calculating space
Mathematical movement	Mathematical movement	Mathematical movement
Presentation of data	Presentation of data	Presentation of data
Measuring data	Measuring data	