



Blue Coat Church of England Academy

Year: 8

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 KS2 and Year 7 data. The content for Year 8 builds on work covered in Year 7, going into greater detail to deepen pupil understanding of key areas. 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

	8s/Ma1, 8s/Ma2, 8t/Ma1 and 8t/Ma2	8s/Ma3 and 8t/Ma3	
	Calculating	Counting and comparing	
	Numbers and the number system	Numbers and the number system	
	Cross-curricular skills	Cross-curricular skills	
	Visualising and constructing	Calculating	
	Algebraic proficiency: tinkering	Visualising and constructing	
	Exploring fractions, decimals and percentages	Checking, approximating and estimating	
	Proportional reasoning	Investigating properties of shapes	
	Calculating fractions, decimals and percentages	Exploring fractions, decimals and percentages	
	Investigating angles	Proportional reasoning	
	Understanding risk 1	Problem solving	
	Solving equations and inequalities	Calculating fractions, decimals and percentages	
	Pattern sniffing	Algebraic proficiency: tinkering	
	Calculating space	Measuring space	
	Algebraic proficiency: visualizing	Investigating angles	
	Understanding risk 2	Solving equations and inequalities	
	Presentation of data	Pattern sniffing	
	Measuring data	Calculating space	
		Mathematical movement	
		Presentation of data	
		Measuring data	