



Blue Coat Church of England Academy

Year: 9

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 8 data. The content for Year 9 builds on work covered in Year 7 and Year 8, 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. Students also sit an end of year exam in formal conditions to begin preparations for KS4. All pupils have access to the MathsWatch VLE site to assist with independent learning, homework and revision.

Units covered

	9s/Ma1 and 9t/Ma1	9s/Ma2, 9s/Ma3, 9t/Ma2 and 9t/Ma3	
	Calculating	Calculating	
	Visualising and constructing	Numbers and the number system	
	Cross-curricular skills	Cross-curricular skills	
	Algebraic proficiency: tinkering	Visualising and constructing	
	Pattern sniffing	Algebraic proficiency: tinkering	
	Solving equations and inequalities 1	Exploring fractions, decimals and percentages	
	Problem solving	Proportional reasoning	
	Calculating space	Calculating fractions, decimals and percentages	
	Algebraic proficiency: visualising	Problem solving	
	Solving equations and inequalities 2	Investigating angles	
	Understanding risk	Understanding risk 1	
	Presentation of data	Solving equations and inequalities	
	Proportional reasoning	Pattern sniffing	
	Conjecturing	Calculating space	
		Algebraic proficiency: visualizing	
		Understanding risk 2	
		Presentation of data	
		Measuring data	