

Mathematics – Programme of Study				
KS3	Number (arithmetic)	Number (Place Value)	Geometry	Measure
	- Understand and use the structures that underpin addition and subtraction strategies - Use the laws and conventions of arithmetic to calculate efficiently - Understand and use the structures that underpin multiplication and division strategies - Estimate calculations by rounding - Compare and order positive and negative integers, decimals and fractions - Understand that percentages are an example of a multiplicative relationship and apply this understanding to a range of contexts - Understand that percentages are an example of a multiplicative relationship and apply this understanding to a range of contexts	- Understand the value of digits in decimals, measure and integers - Compare and order positive and negative integers, decimals and fractions	- Understand the concept of multiplicative relationships - Connect coordinates, equations and graphs - Connect coordinates, equations and graphs - I can understand and use translations - I can understand and use rotations - I can understand and use reflections - I can understand and use enlargements	- Understand the concept of area and use it in a range of problem-solving situations - Understand the concept of perimeter and use it in a range of problem-solving situations
	Probability	Decimals and Fractions	Ratio & Proportion	Statistics

	• Understand that fractions are an example of a multiplicative relationship and apply this understanding to a range of contexts • Explore, describe and analyse the frequency of outcomes in a range of situations • = • Systematically record outcomes to find theoretical probabilities • Calculate and use probabilities of single and combined events	• Round numbers to a required number of decimal places • Understand that fractions are an example of a multiplicative relationship and apply this understanding to a range of contexts • Know, understand and use fluently a range of calculation strategies for addition and subtraction of fractions	• Understand the concept of multiplicative relationships • Construct accurately statistical representations • Understand that ratios are an example of a multiplicative relationship and apply this understanding to a range of contexts	• Understand and calculate accurately measures of central tendency and spread • Interpret reasonably statistical measures and representations • Construct accurately statistical representations
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