Maths KS3 Assessment Framework

	Beginning	Working Towards	Expected	Exceeding	Excelling
	Grade 1	**Grade 2-3**	**Grade 4-5**	**Grade 6-7**	**Grade 8-9**
	I can:	I can:	I can:	I can:	I can:
	Begin to	**Sometimes**	**Mostly**	**Confidently**	**Confidently use and apply in context:**
Term 2: Sequences, Algebra, Number, Ratio, FDP	Describe and continue sequences	Understand equences in a table and graphically	Continue non-linear sequences	Explain the term-to-term rule	Find missing terms (H)
	Predict and check next term(s)	Linear and non-linear sequences	Explain the term-to-term rule	Find missing terms (H)	
		Continue linear sequences			
	Given a numerical input, find the output of a single function machine	Use inverse operations to find the input given the output	Use diagrams and letters with single function machines	Find numerical inputs and outputs for a series of two function machines	Find the function machines given a two-step expression
	Use inverse operations to find the input given the output	Use diagrams and letters to generalise number operations	Find the function machine given a simple expression	Use diagrams and letters with a series of two function machines	Substitute values into two-step expressions
	Substitute values into single operation expressions	Use diagrams and letters with single function machines	Substitute values into single operation expressions	Find the function machines given a two-step expression	Generate sequences given an algebraic rule
		Substitute values into single operation expressions	Find numerical inputs and outputs for a series of two function machines	Substitute values into two-step expressions	Represent one- and two-step functions graphically
			Use diagrams and letters with a series of two function machines		Linking nth term to equation of linear lines.
	Multiply and divide integers and decimals by powers of 10	Understand and use factors	Understand and use factors	Use formal methods to multiply decimals	Write a number as a product of its prime factors
	Use fomal methods to multiply integers	Understand and use multiples	Understand and use multiples	Use formal methods to divide decimals	Use a Venn diagram to calculate the HCF and LCM (H)
	Use formal methods to divide integers	Recognise and identify prime numbers	Use formal methods to multiply decimals	Find common factors of a set of numbers including the HCF	
	Find and use multiples	Find common factors of a set of numbers including the HCF	Use formal methods to divide decimals	Find common multiples of a set of numbers including the LCM	
	Identify factors of numbers and expressions	Find common multiples of a set of numbers including the LCM	Recognise square and triangular numbers	Write a number as a product of its prime factors	
	Find common factors of a set of numbers including the HCF	Write a number as a product of its prime factors	Find common factors of a set of numbers including the HCF		
	Find common multiples of a set of numbers including the LCM		Find common multiples of a set of numbers including the LCM		
	Write a number as a product of its prime factors		Write a number as a product of its prime factors		
	Understand ratio	Simplify 2 part ratios	Simplify 2 part ratios	Simplify 2 part ratios	Simplify 3 part ratios
			Simplify 3 part ratios	Simplify 3 part ratios	
	Represent tenths and hundredths as diagrams	Interchange between fractional and decimal number lines	Convert between fractions and decimals - tenths and hundredths	Convert fluently between fractions, decimals and percentages	Convert between fractions and decimals - fifths and quarters
	Represent tenths and hundredths on number line	Convert between fractions and decimals - tenths and hundredths	Convert fluently between simple fractions, decimals and percentages		Convert between fractions and decimals - eighths and thousandths (H)
	Represent any fraction as a diagram	Understand fractions as division			Explore fractions above one, decimals and percentages (H)