<b>YEAR 11</b>	Edexcel GCSE (9-1) Mathematics Foundation		
TERM	UNIT / LESSON	PRIOR KNOWLEDGE	LEARNING INTENTIONS
Key: Italic specif	ication references are assumed prior kr	nowledge and are covered in the prior knowledge che	ck rather than the main teaching.
Wk 1	Baseline Assessment + Feedback	Convert percentages to decimals.	Calculate a percentage profit or loss.
04/09/2023	14.1 Percentages	Express one number as a percentage of another.	Express a given number as a percentage of another in more complex situations.
Revision		Work out percentage increases and decreases.	Find the original amount given the final amount after a percentage increase or decrease
	14.2 Growth and decay	Write powers of numbers in index form.	Find an amount after repeated percentage change.
Wk 2		Relate percentages to decimals.	Solve growth and decay problems.
11/09/2023	1.4 Factors and multiples	Understand the meaning of the words prime, factor, multiple and product.	Recognise 2-digit prime numbers.
Revision		List the multiples of a given number.	Find factors and multiples of numbers.
			Find common factors and common multiples of two numbers.
			Find the HCF and LCM of two numbers by listing.
Wk 3 18/09/2023	1.6 Index notation	Use simple powers of 10. Convert between metric units.	Find square roots and cube roots. Recognise powers of 2, 3, 4 and 5.
		Evaluate numeric expressions with powers.	Understand surd notation on a calculator.
	1.7 Prime factors	List the factors of numbers; identify which factors	Write a number as the product of its prime factors.
Revision		are prime. Evaluate numeric expressions with powers.	Use prime factor decomposition and Venn diagrams to find the HCF and LCM.
	2.2 Simplifying expressions	Multiply and divide simple terms.	Use the index laws.
		Calculate with positive and negative integers.	Multiply and divide expressions.
		Use index notation.	
Wk 4	2.5 Expanding brackets	Multiply negative and positive terms.	Expand brackets.
25/09/2023		Simplify algebraic expressions.	Simplify expressions with brackets.
		Write simple formulae.	Substitute numbers into expressions with brackets and powers.
Revision	2.6 Factorising	Find HCFs of number pairs.	Recognise factors of algebraic terms.
		Multiply a single term over brackets.	Factorise algebraic expressions.
			Use the identity symbol ≡ and the not equals symbol ≠
	9.2 Linear graphs	Use a function machine.	Generate and plot coordinates from a rule.
		Read scales	Plot straight-line graphs from tables of values.
			Draw graphs to represent relationships.
Wk 5 02/10/2023 Revision	9.3 Gradient	Understand that parallel lines will never meet.	Find the gradient of a line.
		Identify which line is steepest.	Identify and interpret the gradient from an equation.
			Understand that parallel lines have the same gradient.
	9.4 y = mx + c	Understand that in a linear equation, the coefficient of x is the gradient. Understand that parallel lines have the same	Understand what m and c represent in y = mx + c.  Find the equations of straight-line graphs.
		gradient. Draw a line with a given gradient.	Sketch graphs given the values of m and c.
	5.2 Solving equations 2	Use all four operations to solve simple, single one- step equations.  Work out the outputs of a function machine.	Solve two-step equations.
		Simplify expressions.	
Wk 6	5.3 Solving equations with brackets	Expand a single bracket, involving positive and negative numbers.	Solve linear equations with brackets.
09/10/2023		Solve two-step equations.	Solve equations with unknowns on both sides.
	5.4 Introducing inequalities	Identify numbers that satisfy an inequality.	Use correct notation to show inclusive and exclusive inequalities.
		Use the inequality signs between numbers.	Solve simple linear inequalities.
			Write down whole numbers which satisfy an inequality.
			Represent inequalities on a number line.
	5.5 More inequalities	List integer values that satisfy an inequality.	Solve two-sided inequalities.
Wk 7	13.4 Venn diagrams	Add and subtracting equivalent fractions.	Use Venn diagrams to work out probabilities.
16/10/2023		List primes and multiples. Calculate probabilities.	Understand the language of sets and Venn diagrams.
	13.5 Tree diagrams	Calculate with fractions.	Use frequency trees and tree diagrams.
		List the possible outcomes for two events.	Work out probabilities using tree diagrams.
		Work out the probability of something not	Understand independent events.
		happening.	onderstand independent events.
		Calculate probabilities.	
	13.6 More tree diagrams	Calculate with and simplify fractions.	Understand when events are not independent.
		Work out probabilities using tree diagrams.	Solve probability problems involving events that are not
			independent.