

YEAR 9 Edexcel GCSE (9-1) Mathematics Foundation			
TERM	UNIT / LESSON	PRIOR KNOWLEDGE / SUPPORT CONTENT (N&S 3)	LEARNING INTENTIONS
Key: Italic specification references are assumed prior knowledge and are covered in the prior knowledge check rather than the main teaching.			
AUTUMN 1	1 Number	Identify the value of digits in a whole number or decimal. Round to the nearest integer, and to a given power. Apply the four operations. Recall all multiplication facts to 10×10 , and use them to derive quickly the corresponding division facts. Know strategies for multiplying and dividing whole numbers by 2, 4, 5 and 10. Recognise odd and even numbers. Use brackets and the hierarchy of operations (not including powers). Understand and use positive and negative numbers. Interpret scales on thermometers using °F and °C (positive and negative).	RECALL / RETRIEVAL
Wk 1 04/09/2023	Baseline Assessment + Feedback	Understand the meaning of the words prime, factor, multiple and product.	Recognise 2-digit prime numbers.
Wk 2 11/09/2023	1.4 Factors and multiples	List the multiples of a given number.	Find factors and multiples of numbers. Find common factors and common multiples of two numbers.
Wk 3 18/09/2023	1.6 Index notation	Use simple powers of 10. Convert between metric units.	Find the HCF and LCM of two numbers by listing. Find square roots and cube roots. Recognise powers of 2, 3, 4 and 5.
Wk 3 18/09/2023	1.7 Prime factors	Evaluate numeric expressions with powers. List the factors of numbers; identify which factors are prime. Evaluate numeric expressions with powers.	Understand surd notation on a calculator. Write a number as the product of its prime factors. Use prime factor decomposition and Venn diagrams to find the HCF and LCM.
	2 Algebra	Use the four operations with positive and negative integers. Recall and use the hierarchy of operations. Evaluate numerical expressions involving powers and roots. Multiply and divide numbers with indices. Find the HCF of two numbers. Simplify simple algebraic expressions.	RECALL / RETRIEVAL
Wk 4 25/09/2023	2.1 Algebraic expressions	Simplify simple algebraic expressions.	Use correct algebraic notation. Write and simplify expressions.
Wk 5 02/10/2023	2.2 Simplifying expressions	Multiply and divide simple terms. Calculate with positive and negative integers. Use index notation.	Use the index laws. Multiply and divide expressions.
Wk 6 09/10/2023	2.3 Substitution	Recognise equivalent expressions. Calculate with positive and negative integers. Apply the four operations.	Substitute numbers into expressions.
Wk 7 16/10/2023	CHECK, STRENGTHEN, EXTEND + REVISION HALF-TERM TEST		