

Curriculum Sequencing Overview – Year 9 Foundation

Unit 1								
Week	1	2	3	4	5	6	7	8
Date wb	05/09/22	12/09/22	19/09/22	26/09/22	03/10/22	10/10/22	31/10/22	08/11/22
Key dates								
Big ideas (key concepts)	Integers and place value		Decimals	Indices powers and roots	Factors, multiples, and primes		Revision, assessment, and feedback	Algebra: the basics
Lesson topics sequence	<p>Use and order positive and negative numbers Order integers and decimals Add subtract multiply and divide positive and negative numbers Recall all multiplication facts and use them to derive the corresponding division facts Multiply or divide any number by powers of 10 Use brackets and the hierarchy of operations Round numbers to a given power of 10 Check answers by rounding and using inverse operations</p>		<p>Use decimal notation and place value Identify the value of digits in a decimal or whole number Compare and order decimal numbers Understand the \neq symbol Add, subtract, multiply and divide decimals Multiply or divide by any number between 0 and 1 Round to the nearest integer, decimal place, significant figure Estimate answers to calculations by rounding Use one calculation to find the answer to another</p>	<p>Find squares and cubes Use index notation Evaluate expressions involving squares, cubes and roots Use index notation for powers of 10 Use the laws of indices to multiply and divide numbers written in index notation Use the square, cube and power keys on a calculator Use brackets and the hierarchy of operations Use calculators for all calculations</p>	<p>List all three-digit numbers that can be made from three given integers Recognise odd and even numbers Identify factors, multiples and prime numbers Recognise two-digit prime numbers List all factors of a number and list multiples systematically Find the prime factor decomposition and write as a product using index notation Find the LCM and HCF of two numbers Solve simple problems using HCF, LCM and prime numbers</p>			<p>Write an expression Select an expression/ equation/ formula/ identity from a list Manipulate and simplify algebraic expressions Multiply algebraic expressions Simplify expressions by cancelling</p>
Key assessments							Unit 1 assessment	Unit 1 KA

Curriculum Sequencing Overview – Year 9 Foundation



<p>Homework</p>	<p>1-page self-quizzing, unit 1 Integers 7 – 14 Hegarty task 37</p>	<p>1-page self-quizzing, unit 1 Place value 1 – 6 Hegarty task 17</p>	<p>1-page self-quizzing, unit 1 Place value 7 – 10 Hegarty task 46</p>	<p>1-page self-quizzing, unit 1 Decimals 1 - 8 Hegarty task 130</p>	<p>1-page self-quizzing, unit 1 Indices powers and roots 1 - 6 Hegarty task 121</p>	<p>1-page self-quizzing, unit 1 Indices powers and roots 6 - 7 Hegarty task 28</p>	<p>1-page self-quizzing, unit 1 Factors multiples and primes 1 - 5 Hegarty task 29</p>	<p>1-page self-quizzing, unit 1 Factors multiples and primes 6 – 10 Hegarty task 154</p>
------------------------	---	---	--	---	---	--	--	--