

Curriculum Sequencing Overview – Year 9 Foundation

Unit 2								
Week	1	2	3	4	5	6	7	8
Date wb	14/11/22	21/11/22	28/12/22	05/12/22	12/12/22	02/01/23	09/01/23	16/01/23
Key dates	Unit 1 KA data due			Year 9 ATL deadline			Year 9 mid-year exams	
							Year 9 options evening	
Big ideas (key concepts)	Algebra: the basics	Expanding and factorising single brackets		Expressions and substitution into formula	Unit 2 revision, assessment and feedback	Revision for mid-year exams		Tables
Lesson topics sequence	Use index notation when multiplying or dividing algebraic terms Use index laws in algebra Use index notation in algebra Understand the \neq symbol and introduce the identity \equiv sign	Multiply a single number term over a bracket Write and simplify expressions using squares and cubes Simplify expressions involving brackets Argue mathematically to show algebraic expressions are equivalent Recognise factors of algebraic terms involving single brackets Factorise algebraic expressions by taking out common factors		Write expressions to solve problems representing a situation Substitute positive and negative numbers in algebraic expressions Derive a simple formula, Substitute numbers into a word formula Substitute numbers into a formula				Use suitable data collection techniques Design and use data-collection sheets for grouped, discrete and continuous data Interpret and discuss the data Sort, classify and tabulate data Construct tables for time-series data Extract data from lists and tables Use correct notation for time Work out time taken for a journey from a timetable Design and use two-way tables Complete a two-way table Calculate the total frequency from a frequency table Read values from a table and frequency table Identify the mode from a frequency table Identify the modal class from a grouped frequency table
Key assessments					Unit 2 assessment		Year 9 mid-year exams Unit 2 KA	

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Homework	1-page self-quizzing, unit 2 Algebra the basics 1 - 5 Hegarty task 105	1-page self-quizzing, unit 2 Algebra the basics 6 – 10 Hegarty task 160	1-page self-quizzing, unit 2 Algebra the basics 11 - 15 Hegarty task 168	1-page self-quizzing, unit 2 Expanding, factorising, and substituting 1 – 4 Hegarty task 281	1-page self-quizzing, unit 2 Expanding, factorising, and substituting 5 – 8 Hegarty task 781	1-page self-quizzing, unit 2 Indices roots and powers 1 – 3 Hegarty task 156	1-page self-quizzing, unit 2 Indices roots and powers 6 – 10 Hegarty task 169	1-page self-quizzing, unit 2 Indices roots and powers 1 – 3 Hegarty task 423
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