

Curriculum Sequencing Overview – Year 9 Higher

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)	Calculating, checking and rounding		Indices, roots and reciprocals		Factors multiples and primes	Standard form and surds		Revision, assessment, and feedback
Lesson topics sequence	Calculate with decimals and whole numbers Multiply or divide by any number between 0 and 1 Use the product rule for counting Round numbers to a given degree of accuracy Estimate answers to calculations		Use index notation for integer powers Use the square, cube and power keys on a calculator Estimate powers and roots of any given positive number Calculate using indices including positive, fractional and negative indices Use index laws to simplify and calculate numerical expressions Use brackets and the hierarchy of operations Use an extended range of calculator functions		Identify factors, multiples, and prime numbers Find the prime factor decomposition of positive integers Find the LCM and HCF of two numbers, by listing, Venn diagrams and using prime factors Solve problems using HCF and LCM, and prime numbers	Convert large and small numbers into standard form and vice versa Add and subtract numbers in standard form Multiply and divide numbers in standard form Interpret a calculator display using standard form Understand surd notation Simplify surd expressions involving squares		Unit 1 Revision, assessment, feedback, close the loop
Key assessments							Unit 1 KA	Unit 1 assessment
Homework	1-page self-quizzing, unit 1 Calculating, checking and rounding 1 – 5 Hegarty tasks 130 and 131	1-page self-quizzing, unit 1 Indices powers and roots 1 – 5 Hegarty tasks 48 and 50	1-page self-quizzing, unit 1 Indices powers and roots 6 – 9 Hegarty tasks 671 and 672	1-page self-quizzing, unit 1 Factors, multiples and primes 1 - 5 Hegarty tasks 174 and 175	1-page self-quizzing, unit 1 Factors, multiples and primes 6 – 10 Hegarty tasks 27 and 30	1-page self-quizzing, unit 1 Standard form and surds 1 – 5 Hegarty tasks 122 and 123	1-page self-quizzing, unit 1 Standard form and surds 6 – 9 Hegarty tasks 124 and 125	1-page self-quizzing, unit 1 Indices powers and roots 1 – 5 Hegarty tasks 126 and 127