

Curriculum Sequencing Overview – Year 9 Higher

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		Setting up, rearranging, and solving		Sequences		Revision for mid-year exams	Unit 2 Consolidation
Lesson topics sequence	Write an expression Know the difference between a term, expression, equation, formula and an identity Simplify expressions by collecting like terms and cancelling Substitute positive and negative numbers into expressions and formulae Multiply a single term over a bracket Simplify expressions by factorising Expand the product of two linear expressions Factorise quadratic expressions including the difference of two squares		Understand the \neq symbol and introduce identity \equiv sign Solve linear equations, with integer coefficients Solve linear equations which contain brackets Solve linear equations in one unknown, with integer or fractional coefficients Set up and solve linear equations to solve a problem Derive a formula and set up simple equations from word problems Substitute positive and negative numbers into a formula Change the subject of a formula Simple proofs and use of \equiv in "show that" style questions Use iteration to find approximate solutions to equations		Recognise simple sequences Find and use the n th term of an arithmetic sequence Use the n th term of an arithmetic sequence to decide if a given number is a term in the sequence Continue a quadratic sequence, find the n th term of quadratic sequences and use the n th term to generate terms Distinguish between arithmetic and geometric sequences Recognise and use simple geometric progressions Continue geometric progression and find term to term rule Solve problems involving sequences from real life situations		Revision and preparation for mid-year exams	Revision, assessment, and feedback
Key assessments						Unit 2 KA	Mid-year exams	
								Unit 2 Assessment
Homework	1-page self-quizzing, unit 2 Algebra the basics 1 - 8 Hegarty tasks 781 and	1-page self-quizzing, unit 2 Algebra the basics 9 - 16 Hegarty tasks 223 and 224	1-page self-quizzing, unit 2 Expanding and factorising single brackets 1 - 4	1-page self-quizzing, unit 2 Expanding and factorising single brackets 5 - 9	1-page self-quizzing, unit 2 Setting up, rearranging and solving equations 1 - 7	1-page self-quizzing, unit 2 Sequences 1 - 7 Hegarty tasks 250 and 264	1-page self-quizzing, unit 2 Sequences 8 - 15 Hegarty tasks 186 and 247	1-page self-quizzing, unit 2 Expanding and factorising single brackets 1 - 4

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			Hegarty tasks 183 and 184	Hegarty tasks 281and 282	Hegarty tasks 322 and 249			Hegarty tasks 161 and 248
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