

Unit A2 Algebraic manipulation		Year 8 Road Map				
In this unit you will learn about Sequences S: Support C: Core E: Extension						
S/N	Differentiation	Learning Goals/Outcomes/Content	Dr Frost Video	R 	A 	G 
1	S C E	Write an expression from statements and vice versa (A3.2)	190			
2	C E	Distinguish between terms, formula, identity or expressions (A3.2,	190a			
3	S C	Simplify algebraic expressions by collecting like terms (A3.2, A4.2)	193			
4	S	Multiply together two simple algebraic expressions, e.g., $2a \times 3b$; (A4.2)	191 192			
5	S	Expand single brackets. E.g. $5(x + 3)$ (A3.2, A4.2, A5.2)	252			
6	S C E	Form algebraic expressions to represent the area, perimeter, and volume (A3.2)	198f 198g 198h			
7	C E	Expand two simple brackets and simplify the outcome, E.g. $3(2x+5) + 4(2x-3)$ (A4.2, A5.2)	299			
8	S C	Factorise simple expressions (A5.2/5),	253			
9	E	Multiply out and simplify the product of two linear brackets	252h 252i			
10	E	Recognise and factorise difference between two squares	363			
11	E	Factorise quadratic expressions with a unit coefficient of x^2	362			
12	S C E	Solve a variety of problems involving algebraic manipulations	50 199 395			

Student's comments or questions