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| **Unit A2**  **Algebraic manipulation** | | **Year 7 Road Map** | | | | |
| In this unit you will learn about Sequences  **S**: Support  **C**: Core  **E**: Extension | | | | | | |
| **S/N** | **Differentiation** | **Learning Goals/Outcomes/Content** | **Maths**  **watch Clip** | **R** | **A** | **G** |
| 1 | S | Write an expression from statements and vice versa (A3.2) | A3 |  |  |  |
| 2 | S | Distinguish between terms and expressions (A3.2, | A2 |  |  |  |
| 3 | S C E | Simplify algebraic expressions by collecting like terms (A3.2, A4.2) | A6 |  |  |  |
| 4 | S C E | Multiply together two simple algebraic expressions, e.g., 2*a* × 3*b*; (A4.2) | A7a |  |  |  |
| 5 | S C E | Expand single brackets. E.g. 5(x + 3) (A3.2, A4.2, A5.2) | A8 |  |  |  |
| 6 | S C E | Form algebraic expressions to represent the area, perimeter, volume and surface area of shapes (A3.2) |  |  |  |  |
| 7 | C E | Expand simple brackets and simplify the outcome (A4.2, A5.2) | A8 |  |  |  |
| 8 | E | Factorise simple algebraic expressions | A9 |  |  |  |
| 9 | E | Expand the product of two linear brackets. | A8 |  |  |  |
| 10 | S C E | Solve a variety of problems involving algebraic manipulations | A7-10 |  |  |  |

Student’s comments or questions