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