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| **Progression of Skills in: Algebra** |

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|  | **EQUATIONS** | | | | | | |
| **Skill** | **Reception** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| **EQUATIONS** | Using a range of manipulatives to find missing parts in part whole models. | *solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and* ***missing number problems*** *such as*  *7 =* 🗆 *- 9*  (copied from Addition and Subtraction) | *recognise and use the inverse relationship between addition and subtraction and use this to check calculations and* ***missing number*** *problems.*  (copied from Addition and Subtraction) | solve problems, *including* ***missing number*** *problems, using number facts, place value, and more complex addition and subtraction.* (copied from Addition and Subtraction) |  | *use the properties of rectangles to deduce related facts and find* ***missing lengths and angles***  (copied from Geometry: Properties of Shapes) | express missing number problems algebraically |
|  |  |  | *solve problems, including* ***missing number*** *problems, involving multiplication and division, including integer scaling*  (copied from  Multiplication and Division) |  |  |  |
|  |  | *recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100*  (copied from Addition and Subtraction) |  |  |  | find pairs of numbers that satisfy number sentences involving two unknowns |
|  | **FORMULAE** | | | | | | |
| **FORMULAE** |  | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  |  |  |  | *Perimeter can be expressed algebraically as 2(a + b) where a and b are the dimensions in the same unit.*  *(Copied from NSG measurement)* |  | use simple formulae |
|  |  |  |  |  |  | *recognise when it is possible to use* ***formulae*** *for area and volume of shapes*  (copied from Measurement) |
|  | **SEQUENCES** | | | | | | |
| **SEQUENCES** | **Reception** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| *Orders and sequences familiar events.* (copied from SSM) | *sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening*  (copied from Measurement) | *compare and sequence intervals of time*  (copied from Measurement) |  |  |  | generate and describe linear number sequences |
|  | *Use familiar shapes and patterns to recreate patterns.*  *Recognise, create and describe patterns. (Taken from SSM)* |  | *order and arrange combinations of mathematical objects in patterns*  (copied from Geometry: position and direction) |  |  |  |  |