Ashbury Meadow Primary School Mathematics Curriculum   **Progression in Algebra**

Year Group	Knowledge and Skills Supporting Resource: Maths No Problem Essential & most valuable knowledge for the next key stage is highlighted in yellow	Vocabulary
Year 6	**Algebra** • To determine a pattern using concrete materials and pictorial representation; to use a table to identify a repeating pattern; to express a rule using a letter or symbol. • To determine a pattern using concrete materials and pictorial representation; to use a table to identify a repeating pattern; to express the relationship between consecutive numbers in terms of a symbol or letter. • To determine a pattern using concrete materials and pictorial representation; to use a table to identify a pattern; to express the relationship between consecutive numbers in terms of a symbol or letter. • To determine a pattern using concrete materials and pictorial representation; to use a table to identify a pattern; to express unknown numbers in terms of a letter or symbol, including using a number before a letter for multiplication. • To use a table to identify a pattern; to write algebraic expressions using each of the four operations. • To use examples to identify rules; to write algebraic expressions using each of the four operations; to evaluate algebraic expressions including the use of inverse operations. • To recognise patterns; to write algebraic expressions with two steps; to evaluate algebraic expressions with two steps. • To recognise patterns; to write and evaluate algebraic expressions with two steps; to write and use formulae. • To use formulae to solve problems; to replace a letter/variable with a number then solve the equation; to use inverse operations to solve equations. • To solve equations; to use equations to find unknown values. Y6 National Curriculum – End Point: Pupils will be taught to: - use simple formulae - generate and describe linear number sequences - express missing number problems algebraically - find pairs of numbers that satisfy an equation with two unknowns - enumerate possibilities of combinations of two variables	to stand for consecutive algebraic expression input number output number substitute evaluate formula formulae stands for equation variable consecutive evaluate variable