Algebra: The Basics					
1	Algebraic notation	The use of letters to represent unknown values.			
2	Variable	A letter or symbol for a number we don't know.			
3	Term	Is a single number or variable, or the product of several			
		numbers or variables.			
4	Like terms	Terms that have the same letter to the same power.			
5	Unknown	A number we do not know.			
6	Expression	A mathematical 'sentence' with at least two variables and an			
		operation.			
7	Coefficient	A number used to multiply a variable.			
8	Equation A statement with an equal's sign, stating that two				
expressions are equal in value		expressions are equal in value.			
9	Formula	Is a fact or rule that connects two or more quantities.			
10	Identity	An equation that is always true no			
		matter what values are substituted.			
11	Simplify	Group and combine like terms.			
12	≠	Not equal to.			
13	Evaluate	Find the value.			
14	Cancelling	To reduce a fraction by dividing.			
15	Substitute	Replace a variable with a known value.			
Expanding, Factorising and Substituting					
1	Equivalent	Equal in value.			
2 Factor A number/ te		A number/ term that divides into another number without			
		leaving a remainder.			
3	Factorise	Remove the highest common factor from two or more terms.			
4	Expand	Removing brackets by multiplication.			
5	Linear An expression where the highest power of x is 1.				
	expression				
6	Equivalent	Equal in value.			
7	Product	Multiply.			
8	Binomial	Two term algebraic expression.			
Indi	ces Powers an	d Roots			

1	Index Number/ Indices/ Power	A figure that represents the number of times a number is multiplied by itself.		
2	Index Notation	Represents repeated multiplications of the same number.		
3	Index Laws	Anything to the power of zero is 1. Anything to the power of 1 is itself. Power multiplied by a power – add the indices.	$a^{0} = 1$ $a^{1} = a$ $a^{m} \times a^{n} = a^{m+n}$	
		Power divided by a power – subtract the indices.	$a^m \div a^n = a^{m-n}$	
		Power to a power - multiply the indices.	$(a^m)^n = a^{m \times n}$	