



Lode Heath School

Mathematics Department

Year 9 Foundation

Autumn Term

Assignment Title	Unit 2: Algebra	Date set	Autumn 2
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Summary of Unit 2	Key Words
Understanding and writing algebraic expressions, simplifying and substituting into expressions. Expanding brackets and factorising.	Expression, Simplify, Substitute, Expand, Factorise.

Prior Knowledge
<ol style="list-style-type: none"> 1. Calculate 3×-7 2. Find the HCF of 32 and 24. 3. Write down <ol style="list-style-type: none"> a) the first five square numbers: b) the first five cube numbers: 4) When $x = 4$, work out the value of: $3x - 14$ 5) Expand: $2(2x + 4)$ 6) If your age is now "N" years, write an expression for your age when you are 2 years less than double your current age.

LEARNING JOURNEY

Level	Task Description
2-3	2.1 Algebraic expressions Use correct algebraic notation. Write and simplify expressions.
2-4	2.2 Simplifying expressions Use the index laws. Multiply and divide expressions.
2-5	2.3 Substitution Substitute numbers into expressions.
2-5	2.4 Formulae Recognise the difference between a formula and an expression. Substitute numbers into a simple formula.
2-4	2.5 Expanding brackets Expand brackets. Simplify expressions with brackets. Substitute numbers into expressions with brackets and powers.
3-4	2.6 Factorising Recognise factors of algebraic terms. Factorise algebraic expressions. Use the identity symbol \equiv and the not equals symbol \neq
3-5	2.7 Using expressions and formulae Write expressions and simple formulae to solve problems. Use maths and science formulae.