My mathematical journey

*Mathswatch clips in brackets

What do I need to remember from before?

Directed numbers (NP6)

What will I learn about in this unit at CEC?

Variable unknowns
(MW A2)
Algebraic expressions
(MW A4)
Substitution
(MW A10)
Equations
(MW A12)

Where does this lead?

Simplifying expressions (A2)

Multiplying expressions (A3)

Linear equations (A4)

Formulae (A5)

Key words and symbols: what I need to say and write accurately

Word	Explanation
variable	a number that can change its value, represented by a letter such as x or a green tile when we do not know its value
constant	a number that does not change, is fixed
operation	something that takes input numbers and turns them into output numbers, such as addition (including subtraction), multiplication (including division), exponentiation (including roots)
term	the parts of an expression separated by $+$ or $-$. e.g. in the expression $4x - \frac{1}{2}y$, the terms are $4x$ and $\frac{1}{2}y$