

## Stage 10 – Algebra: Solving Equations and Inequalities

### Know it!



Knowledge	
I know...	The meaning of an iterative process and can use an iterative formula to find approximate solutions to an equation.
I know...	How to solve a pair of linear simultaneous equations by elimination
I know...	How to solve a pair of linear simultaneous equations by substitution.
I know...	How to derive and solve a pair of simultaneous equations
I know...	How to interpret the solutions to a pair of simultaneous equations.

### Link it!



Backward	Forward
Substitution Solving linear equations	Solving a quadratic and linear pair of simultaneous equations.

### Prove it!



Convince me  $x + 2y = 11$ ,  $3x + 4y = 18$  can be solved using substitution and using elimination. Which method is best in this case?

### Say it!



Vocabulary	Definition
Unknown	
Solve	
Simultaneous equations	
Substitution	
Elimination	
Iteration	
Interval	