

## 11 Maths Methods - Linear Equations (Work Plan)

		Resources other than text book (you tube)	Learning Focus	Success Criteria
Constructing and Solving Linear Equations	Ex 1A Page 7 Parts a, c, e of Q 1, 3, 4, 5 Ex 1B Page 9 Q1, 3, 8	Solving linear equations <a href="http://www.youtube.com/watch?v=0BsoWvWXOMM">http://www.youtube.com/watch?v=0BsoWvWXOMM</a>	Know how to transpose. Be able to solve linear equations in different forms, with or without brackets, literal and fractions Be able to construct linear equations from text	Correctly construct linear equations Correctly solve linear equations
Simultaneous Equations - Solving	Ex 1C Page 16 Q1 a b c, 2 all, 3 all, 4 all	Systems Of Equations: Substitution Method <a href="http://www.youtube.com/watch?v=hK1QyhhmQ0c">http://www.youtube.com/watch?v=hK1QyhhmQ0c</a> Solving Simultaneous Equations by Elimination <a href="http://www.youtube.com/watch?v=XM7Q4Oj5OTc">http://www.youtube.com/watch?v=XM7Q4Oj5OTc</a> Solving Simultaneous Equations by Elimination <a href="http://www.youtube.com/watch?v= liNqXPnHQI">http://www.youtube.com/watch?v= liNqXPnHQI</a>	Know the solution to simultaneous equations tells us where the graphs of the equations intersect Be able to solve simultaneous equations using Substitution and Elimination. Be able to interpret the solution to simultaneous equations as two lines intersecting, parallel or two copies of the same line	Correctly solve simultaneous equations using Substitution and Elimination Correctly interpret the solution to simultaneous equations as two lines intersecting, parallel or two copies of the same line
Simultaneous Equations - Constructing	Ex 1D Page 18 Q1, 3, 6, 8, 9, 11, 14, 16	Solving Problems Using Simultaneous Equations <a href="http://www.youtube.com/watch?v=zlarIAZZZ2k">http://www.youtube.com/watch?v=zlarIAZZZ2k</a>	Be able to construct simultaneous linear equations from text	Correctly construct simultaneous linear equations from text
Inequations	Ex 1E Page 22 1 all, 2 a c e g i, 4	Solving linear inequalities <a href="http://www.youtube.com/watch?v=0X-bMeIN53I">http://www.youtube.com/watch?v=0X-bMeIN53I</a>	Know that the direction of the inequality sign changes when multiplying or dividing both sides by a negative Be able to solve linear inequations algebraically and with CAS Be able to construct linear inequations from text	Correctly solve linear inequations algebraically and with CAS Correctly construct linear inequations from text
Revision	Chapter 1 Page 28 → T.F. Q 1, 3, 14 Page 30 → M.C. Q 1, 2, 3, 4, 5, 7, 8, 11, 12			