

National 4 Relationships 1.1	NS	OT	VG
<b><u>Equations</u></b>			
I can solve linear equations in the form $2x + 1 = 11$			
I can solve linear equations with brackets $2(x - 3) = 14$			
I can solve inequations			
<b>TJ Nat 4-1 Ch7 and Ch 22, TJ Nat4-2 Ch 4</b>			
<b><u>Equations of Straight Lines</u></b>			
I can draw a graph of $y = mx + c$ for given values of $x$			
In the equation of a straight line $y = mx + c$ , I understand the meaning of $m$ and $c$			
I can recognise and draw the straight lines $y = a$ and $x = b$			
<b>TJ Nat 4-2 Ch 4</b>			
<b><u>Changing the subject of a formula</u></b>			
I can change the subject of $G = x + 4$ to $x$			
I can change the subject of $H = 5c$ to $c$			
I can change the subject of $E = 3w - 5$ to $w$			
<b>TJ Nat 4-2 Ch 14</b>			
National 4 Relationships 1.2	NS	OT	VG
<b><u>Pythagoras' Theorem</u></b>			
I can use Pythagoras' Theorem to calculate the hypotenuse			
I can use Pythagoras' Theorem to calculate the shorter sides			
I can use Pythagoras' Theorem to calculate the length of a line if I am given two coordinates			
<b>TJ Nat 4-1 Ch 13 and Ch 25</b>			
<b><u>Similarity</u></b>			
I can enlarge and reduce shapes if given a scale factor			
<b>TJ Nat 4-1 Ch 5 and Ch 21</b>			
<b><u>Angle Properties in Straight Lines and Triangles</u></b>			
I know the angle properties associated with straight lines			
I know the angle properties associated with triangles			
I know the angle properties associated with quadrilaterals			
I know the angle properties associated with parallel lines			
I can use my knowledge of angles to solve problems			
<b>TJ Nat 4-1 Ch 2</b>			
<b><u>Angle Properties in Circles</u></b>			
I can find the size of angles in triangles within semi-circles and circles			
I can find the size of angles in triangles which contain a tangent to a circle			
<b>TJ Nat 4-2 Ch7 and Ch 13</b>			

National 4 Relationships 1.3 Trigonometry	NS	OT	VG
I can use the tan ratio to calculate a side and an angle			
I can use the sin and cos ratios to calculate sides and angles			
I can use SohCahToa to choose the correct trig ratio			
<b>TJ Nat 4-2 Ch 5 and Ch 9</b>			
National 4 Relationships 1.4 Scattergraphs			
I can plot points onto a scattergraph			
I can draw a line of best fit			
I can use my line of best fit to estimate values			