

**Madras College**

**mathsworkout.co.uk to help revise for:**

**National 5 Unit Assessment – Relationships**

<b>Topic</b>	<b>Maths Workouts or alternative website</b>	<b>Targets/Tasks</b>
Straight Line $y = mx + c$	Straight Lines 1 Straight Lines 2	Target 5, Tasks 2 -11 Target 1, All Tasks
Equations & Inequalities	Solving Equations 2 Inequalities	Target 1, All Tasks Target 3, All tasks
Simultaneous Equations	Simultaneous Equations	Targets 1 - 4
Change Subject of Formula	Changing the Subject of the Formula	All Targets
Equation of Parabola $y = kx^2$	<a href="http://www.mathsrevision.com">www.mathsrevision.com</a> Powerpoint lessons	National 5 Quadratic 2
Equation of Parabola $Y = (x + a)^2 + b$	<a href="http://www.mathsrevision.com">www.mathsrevision.com</a> Powerpoint lessons	National 5 Quadratic 2
Sketch Parabola - know turning point, roots, line of symmetry	Quadratics 1	Targets 1 , 2
Solve quadratic by factorising	Quadratics 2	Target 2, All Tasks
Solve quadratic using formula	Quadratics 2	Target 5, All Tasks
The discriminant $b^2 - 4ac$	<a href="http://www.mathsrevision.com">www.mathsrevision.com</a> Powerpoint lessons	National 5 Quadratic 2
Pythagoras and its Converse	Pythagoras <a href="http://www.mathsrevision.com">www.mathsrevision.com</a> Powerpoint lessons	Targets 2, 3 and 4 N5 Pythagoras
Angles in a Circle	Circle Geometry	Target 4, Tasks 1,2,9,10
Angles – Tangent to a Circle	Circle Geometry	Target 5
Similar Shapes –	Similarity	Targets 1 & 2

Linear SF		Target 3, Tasks 1 - 7
Similar Shapes – Area SF	Similarity	Target 3, Tasks 8 - 14
Similar Shapes – Volume SF	Similarity	Targets 4 & 5
Sketch Trig graphs	<a href="http://www.mathsrevision.com">www.mathsrevision.com</a> Powerpoint lessons	National 5 Trig Graphs
Solve Trig Equations	<a href="http://www.mathsrevision.com">www.mathsrevision.com</a> Powerpoint lessons	National 5 Trig Equations