

## Year 11 into 12 Summer Work – Maths

During your first week in Sixth form, you will complete a baseline test in Maths. This will allow us to check your suitability for the course and identify any areas of weakness. Below is a list of the topics to be covered with links to worksheets to help you practice. Once you feel confident with the areas below complete the mixed questions which will be handed in when you sign up for the course.

Topic	Worksheet Link
Index Laws	<a href="https://www.mathsgenie.co.uk/resources/6-fractional-and-negative-indices-ws.pdf">https://www.mathsgenie.co.uk/resources/6-fractional-and-negative-indices-ws.pdf</a>
Surds	<a href="https://www.mathsgenie.co.uk/resources/7-surds-ws.pdf">https://www.mathsgenie.co.uk/resources/7-surds-ws.pdf</a>
Coordinate Geometry	<a href="https://www.mathsgenie.co.uk/resources/6-parallel-and-perpendicular-lines-ws.pdf">https://www.mathsgenie.co.uk/resources/6-parallel-and-perpendicular-lines-ws.pdf</a> <a href="https://www.mathsgenie.co.uk/resources/perpendicular-lines-ws.pdf">https://www.mathsgenie.co.uk/resources/perpendicular-lines-ws.pdf</a>
Rearranging Formula	<a href="https://www.mathsgenie.co.uk/resources/7-rearranging-harder-formula-ws.pdf">https://www.mathsgenie.co.uk/resources/7-rearranging-harder-formula-ws.pdf</a>
Pythagoras and Trigonometry (Right Angle only)	<a href="https://www.mathsgenie.co.uk/resources/5-SOHCAHTOA-ws.pdf">https://www.mathsgenie.co.uk/resources/5-SOHCAHTOA-ws.pdf</a> <a href="https://www.mathsgenie.co.uk/resources/4-pythagoras-ws.pdf">https://www.mathsgenie.co.uk/resources/4-pythagoras-ws.pdf</a>
Solving Quadratic Equations	<a href="https://www.mathsgenie.co.uk/resources/5-solving-quadratics-by-factorising-ws.pdf">https://www.mathsgenie.co.uk/resources/5-solving-quadratics-by-factorising-ws.pdf</a> <a href="https://www.mathsgenie.co.uk/resources/7-quadratic-formula-ws.pdf">https://www.mathsgenie.co.uk/resources/7-quadratic-formula-ws.pdf</a> <a href="https://www.mathsgenie.co.uk/resources/9-completing-the-square-ws.pdf">https://www.mathsgenie.co.uk/resources/9-completing-the-square-ws.pdf</a>
Solving Simultaneous Equations (Linear and Quadratic)	<a href="https://www.mathsgenie.co.uk/resources/5-simultaneous-equations-ws.pdf">https://www.mathsgenie.co.uk/resources/5-simultaneous-equations-ws.pdf</a> <a href="https://www.mathsgenie.co.uk/resources/9-quadratic-simultaneous-equations-ws.pdf">https://www.mathsgenie.co.uk/resources/9-quadratic-simultaneous-equations-ws.pdf</a>
Solving Quadratic Inequalities	<a href="https://www.mathsgenie.co.uk/resources/quadraticinequalities-ws.pdf">https://www.mathsgenie.co.uk/resources/quadraticinequalities-ws.pdf</a>

