



Overview of Bridging Course

<i>Department:</i> Mathematics	
<i>What is the focus of this bridging course?</i>	
<ul style="list-style-type: none"> • Students will re-cap their knowledge of four key areas of GCSE mathematics that will be built upon and developed at A Level. • Students will learn to use key study skills required for independent learning in mathematics. • Students will apply their understanding to complete a subject knowledge assessment. 	
<i>w/b 27 April</i>	<p><i>Overview of what students will cover this week:</i></p> <ul style="list-style-type: none"> • Students will re-cap and develop their Algebraic skills, looking at: <ul style="list-style-type: none"> ○ Algebraic manipulation and graphs ○ Solving simultaneous equations ○ Solving quadratic equations ○ Solving inequalities • Students will be directed to videos and textbook examples to review their understanding of this area. • Students will be directed to exercises to work through to apply their understanding.
<i>w/b 4 May</i>	<ul style="list-style-type: none"> • Students will re-cap and develop their knowledge of Indices and Surds, looking at: <ul style="list-style-type: none"> ○ Simplifying expressions using laws of indices. ○ Simplifying expressions involving fractional and negative indices. ○ Simplify expressions with surds ○ Rationalise denominators • Students will be directed to videos and textbook examples to review their understanding of this area. • Students will be directed to exercises to work through to apply their understanding.
<i>w/b 11 May</i>	<ul style="list-style-type: none"> • Students will re-cap and develop their knowledge of Coordinate Geometry, looking at: <ul style="list-style-type: none"> ○ Determining equations of straight lines. ○ Solve problems involving parallel and perpendicular lines. ○ Find equations of circles. • Students will be directed to videos and textbook examples to review their understanding of this area. • Students will be directed to exercises to work through to apply their understanding.
<i>w/b 18 May</i>	<ul style="list-style-type: none"> • Students will re-cap and develop their knowledge of Trigonometry, looking at: <ul style="list-style-type: none"> ○ Finding missing sides and angles in right-angled triangles. ○ Graphs of trigonometric functions and basic equations. ○ Use of Sine and Cosine rules for non-right-angled triangles. ○ Find area of triangles. • Students will be directed to videos and textbook examples to review their understanding of this area. • Students will be directed to exercises to work through to apply their understanding.
<i>Work that students will receive feedback on:</i>	
<ul style="list-style-type: none"> • Students will complete and submit a subject knowledge assessment at the end of week 4, which will be marked in detail. 	