

## CTECH Level 3 Engineering (all courses)

Please complete the below work in preparation for your start at Franklin this September.

This work should be brought with you to enrolment and your first day at Franklin.

If you aren't attending enrolment on site please just bring this when you first come to the college in September.

This should be completed in time for enrolment, work can be in a written or electronic format.

Any questions please contact our admissions department – [admissions@franklin.ac.uk](mailto:admissions@franklin.ac.uk)

<p>Topic / Context</p>	<p><b>There are three sections.</b></p> <p>Section A: Research task (materials and their properties)</p> <p>Section B: GCSE Mathematical skills</p> <p>Section C: Mathematical skills for Science and Mechanics</p>
<p>Task</p>	<p><b>Visit the following webpage and download the document entitled 'CTECH Engineering Bridging Work 2020'. Follow the instructions to complete the work.</b></p> <p>You will need to click on 'download' in the top right corner of the pop-up to download the document.</p> <p><a href="https://padlet.com/lubermensche/sciencebridge">https://padlet.com/lubermensche/sciencebridge</a> password = <i>bridging</i></p>
<p>Resources</p>	<p><b>You are expected to do your own research for Section A: materials and their properties.</b></p> <p>This should include <u>several</u> different websites and should also include videos on this topic (e.g Youtube).</p>
<p>Presentation</p>	<p><b>Complete the worksheets by following the instructions. If you are unable to print them you can handwrite them.</b></p> <p>You should show your working with <b>all</b> calculations. This includes....</p> <ul style="list-style-type: none"> <li>• <u>Writing down</u> the equation you are using</li> <li>• Substituting the numbers into this equation and <u>writing the calculation down</u> you are about to do</li> <li>• Writing the answer <u>with the unit</u></li> </ul> <p>Please note that one task involves plotting a graph. You will still be expected to find a way of plotting this, even if you are unable to print the worksheets. Perhaps you have an old school exercise book which has squared paper – this could be used to complete the task! Please be resourceful.</p>

