

## CTEC Engineering Level 3

### Essential Bridging Work

If you intend to enrol on this course you must complete the following bridging work. It should take you about 4 hours. **You will need this work for your first lesson. Make sure you bring it with you.**

<p><b>Topic</b></p>	<p>As Engineers, we develop mathematical skills to help solve problems. This involves re-arranging equations to calculate different physical quantities. Some of these quantities can be very large; others small so we sometimes use prefixes. Some of these you will have used before others will be new to you.</p>
<p><b>Task</b></p>	<p style="text-align: center;"><b>Equations and units</b></p> <p>You need to register with the Isaacphysics website on complete the three hexagons; A1, A3 and A4</p> <div style="text-align: center;">  <p>The image shows three hexagonal assessment tasks. The first two are dark grey with white text: 'A1 Using &amp; Rearranging Equations' and 'A3 Standard Form and Prefixes'. The third is purple with white text: 'A4 Converting Units'. Each hexagon has 'Physics' written at the top and 'Perfect!' at the bottom.</p> </div>
<p><b>Resources</b></p>	<p><b>Isaacphysics</b>  The link to this website is: <a href="https://isaacphysics.org">https://isaacphysics.org</a>  Once your account is set up, go to 'my account settings' and click on the 'teacher connections' tab. You will be able to enter the following code: <b>ZWU4QRD</b></p> <p><b>Alternatively, use this hyperlink:</b></p> <p><a href="https://isaacphysics.org/account?authToken=ZWU4QRD">https://isaacphysics.org/account?authToken=ZWU4QRD</a></p> <p><b>Online Research</b>  You can use any source of information you like but here are some links to get you started.</p> <p><a href="http://tinyurl.com/gg6qkg">http://tinyurl.com/gg6qkg</a></p>
<p><b>Presentation</b></p>	<p><b>Assessment is completed online</b>  You will need to complete the three hexagons; A1, A3 and A4. You teacher will be able to monitor your progress as you complete these.</p>