



Subject	Year	Term
<b>BTEC Tech Engineering Level 2</b>	<b>10</b>	<b>3</b>
<b>Topic</b>		
<b>Component 1 &amp; 2</b>		
<b>Content (Intent)</b>		
<b>Prior Learning – Component 1</b>		
<p>During the first half of this term component 1 will be completed and the second half of the term will focus on component 2. Component 2 includes a product disassembly and develop their practical ability ready for Component 2C where students will have to manufacture a product based upon an engineering drawing.</p>		
<b>Future Learning (Topic) - Component 2 &amp; 3</b>		
<b>What Knowledge and Skills will be taught (Implementation)</b>	<b>How will your understanding be assessed &amp; recorded (Impact)</b>	
<p><b>Component 2</b>  <b>Learning Aim C:</b> Plan the manufacture of and safely reproduce/inspect/test a given engineered component.</p> <p>They will learn how to write a production plan and evaluate it as it is used, how to keep a record of their making and how to inspect the final product for quality. Finally, they will learn how to evaluate</p>	<p>Component 1 will be internally assessed as each assignment and practical task is completed. Students will have their work marked, internally verified, and then be given 14 days to improve it.</p>	
<p><b>Component 2:</b>  <b>Learning Aim A:</b> Understand materials, components and processes for a given engineered product through primary investigation into the manufacture and assembly of the significant component parts.</p>	<p>Component 1 will be internally assessed as each assignment and practical task is completed. Students will have their work marked, internally verified, and then be given 14 days to improve it.</p>	
<b>How can parents help at home?</b>		
<p>You can support your child by discussing the coursework with them, allowing them to develop their portfolios at home and encouraging the students to have an aspirational attitude to their work.</p>		
<b>Helpful further reading/discussion (including Reading and Vocabulary Lists)</b>		
<p><b>Reading</b>            BTEC Tech Award Engineering Student Guide.            Model Engineer Magazine            Technologystudent.com /materials and processes</p>	<p><b>Vocabulary Lists</b>            Risk Assessments            Task Sheets, Job Sheets, Technical Plans and Drawings,            Design proposals, Collaboration, Innovation, Resilience, Independence.            Materials and Properties: Ferrous/Non-Ferrous, Pure, Alloy, Composite, Torque, Fatigue. Toughness, Hardness, Strength.            Machining, Centre Lathe, Milling Machine, Pillar Drill, Guillotine.</p>	