
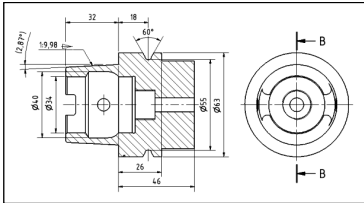
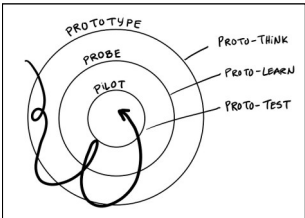






Year 11 Engineering Curriculum

Term	Curriculum content
<p>Michaelmas 1</p> 	<p><i>Revision of Engineering theory</i></p> <ul style="list-style-type: none"> • Engineering disciplines • Applied science and mathematics in engineering • Reading engineering drawings • Properties, characteristics and selection of engineering materials • Engineering tools, equipment and machines • Hand-drawn engineering drawings • Computer-aided design (CAD) engineering drawings • Production planning techniques • Applied processing skills and techniques
<p>Michaelmas 2</p> 	<p>Start real NEA Practice Unit</p> <p>Using the brief as a starting point complete the practice NEA producing outcomes of a high standard with supporting evidence of coursework.</p> <ul style="list-style-type: none"> • Health and safety in the workshop introduction. • Drawing techniques including CAD
<p>Lent 1</p> 	<ul style="list-style-type: none"> • Understanding the brief exploring relevant research • Tools and equipment relevant to brief exploration • Understanding the process of critical thinking. • Develop initial prototype, using practical skills developed throughout Unit one.
<p>Lent 2</p> 	<ul style="list-style-type: none"> • Complete initial prototype, using practical skills developed throughout Unit one. • Develop the prototype. • Carry out extensive testing. • Complete evaluation of product. • Theory and practical workshops as Intervention.
<p>Trinity 1</p> 	<p><i>Prepare for written paper</i></p>
<p>Trinity 2</p>	