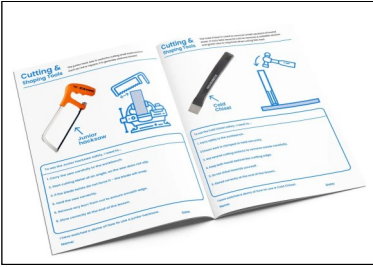
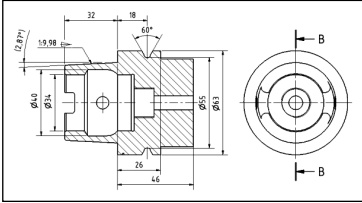

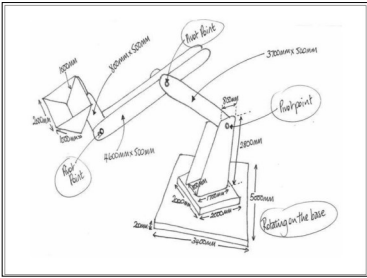
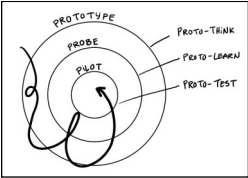





Year 10 Engineering Curriculum

Term	Curriculum content
<p>Michaelmas 1</p> 	<p><i>Introduction to NEA (Analysis, material comparison, practical)</i></p> <p>Start NEA Practice Unit—Hydraulic Excavator</p> <ul style="list-style-type: none"> • Health and safety in the workshop introduction. • Tools and equipment, expectations in the workshop.
<p>Michaelmas 2</p> 	<ul style="list-style-type: none"> • Mechanisms • Drawing techniques including CAD
<p>Lent 1</p> 	<ul style="list-style-type: none"> • Understanding hydraulics in Engineering
<p>Lent 2</p> 	<ul style="list-style-type: none"> • Understand Properties of materials and what they re used in our daily lives. Positive and Negative effects of types of engineering on our environment. • Understanding the process of critical thinking. • Using the brief as a starting point complete the practice NEA producing out-comes of a high standard with supporting evidence of coursework.
<p>Trinity 1</p> 	<ul style="list-style-type: none"> • Develop initial prototype, using practical skills developed throughout Unit one. • Complete initial prototype, using practical skills developed throughout Unit one. • Develop the prototype. • Carry out extensive testing.
<p>Trinity 2</p> 	<ul style="list-style-type: none"> • Complete evaluation of product. • Theory and practical workshops as Intervention.