
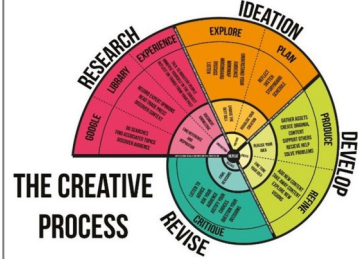





Year 8 Engineering Curriculum

Term	Curriculum content
Michaelmas 1  	<p><i>Rotation 1– Introduction to Alloys (Analysis, material comparison, practical)</i></p> <p>Start Alloys unit.</p> <p>Health and safety in the workshop introduction. Tools and equipment, expectations in the workshop.</p> <p>Develop understanding of working with Alloy metals using famous architecture as inspiration to design a Pewter Keyring ? Introduction to key vocabulary, material properties, ferrous and Non-Ferrous metal and manufacturing processes.</p> <p>Understand Alloys, Properties of materials and what they re used in our daily lives.</p> <p>Understanding the design process, revisiting from year 7.</p> <p>Using the brief as a starting point complete the design process, producing detailed sketches with annotations.</p> <p>Complete initial prototype, using practical skills developed throughout Unit one.</p> <p>Complete evaluation of product.</p>
Michaelmas 2	Rotation 1
Lent 1	Rotation 1
Lent 2 	<p><i>Rotation 2– Develop understanding of working with using design as inspiration to create a working Marionette puppet.</i></p> <p>Complete theory task on The history of Puppets, develop understanding of Mechanisms. Review and refine fundamental health and safety knowledge, material properties, tools and equipment.</p> <p>Complete an analysis task on Wood and Timber, Hard and softwoods. Establish fundamental skills when developing designs inspired by specific movements.</p> <p>Develop visual literacy by responding to existing products.</p> <p>Create Marionette puppet, Draft versions (refine and reflect on outcomes)</p> <p>Make a final outcome showcasing skills developed in unit two.</p> <p>Complete evaluation of product.</p>
Trinity 1	Rotation 2
Trinity 2	Rotation 2