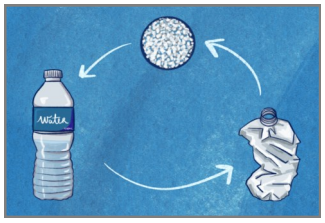
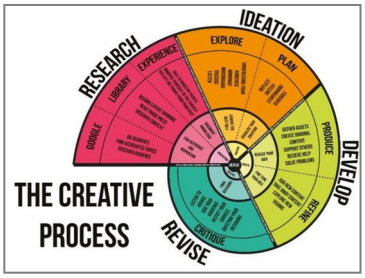
Year 7 Engineering Curriculum

Term	Curriculum content
Michaelmas 1  	*Rotation 1– Introduction to Polymers (Analysis, material comparison, practical)* Start Polymers unit. Health and safety in the workshop introduction. Tools and equipment, expectations in the workshop. Develop understanding what is plastic? Introduction to key vocabulary, material properties and manufacturing processes. Understand thermoplastics, Properties of materials and what they re used for. Understanding the design process. Using the brief as a starting point complete the design process, producing detailed sketches with annotations. Complete initial prototype, using practical skills developed throughout Unit one. Complete evaluation of product.
Michaelmas 2	Rotation 1
Lent 1	Rotation 1
Lent 2 	*Rotation 2– Develop understanding of working with Polymers, using Bauhaus design as inspiration to create clock face design and product.* Complete theory task on Brutalist Architecture, develop understanding of Brutalist style features. Review and refine fundamental health and safety knowledge, material properties, tools and equipment. Complete an analysis task on Bauhaus. Establish fundamental skills when developing designs inspired by specific movements. Develop visual literacy by responding to Bauhaus design. Create clock design, Draft versions (refine and reflect on outcomes) Make a final outcome showcasing skills developed in unit two. Complete evaluation of product.
Trinity 1	Rotation 2
Trinity 2	Rotation 2