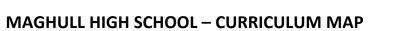
Year 7







Unit: Workshop - acrylic	Week 1/2	Week 2/3	Week 4	Week 5-6
TOPIC	Introduction to DT and the workshop environment. Introduction to licence	Demo Pillar drill and finishing using abrasive paper	Design criteria and design ideas • Biomimicry Ideas generation	Utilising practical skills to create a product from acrylic
	Replacing coping saw blades Demo coping saw Demo filing		Templates Create scale template and mark out shape on acrylic to cut	
Knowledge & Skills development	Properties of acrylic Using a range of hand tools safely – coping saw, hand files Using a pillar drill safely Understanding accuracy and tolerance Understanding the importance and being able to apply a high-quality finish The pros and cons of CAD/CAM			
Assessment / Feedback Opportunities	Formative teacher assessment – verbal, Q&A	Summative teacher assessment – of practical licence	Formative teacher assessment – verbal, Q&A Seneca learning homework - plastics	Summative teacher assessment - written Formative teacher assessment – verbal, Q&A
Key Vocabulary	Health & Safety, Wastage techniques, Accuracy, Quality control, Creativity, Biomimicry, Tension, Friction, Template, file, Coping saw, Bench vice, Pillar drill, Chuck, Drill bit, Acrylic, Solvent, Tolerance			
Literacy/Reading Opportunities	Analysing the design brief			
Cross curricular themes	Geography – sustainability, finite resources Art – exploring and drawing shapes			
Personal Development (including British values, RSE, Citizenship)	Sharing resources and equipment Teamwork			
Career Opportunities	Engineer, Product designer, Workshop technician			

This weekly plan fits inside the Key Stage 3 & 4 Learning Journey and is supported with a class booklet. The weekly plan is based on 1 term which is approximately 9 lessons (6 weeks).