



## MAGHULL HIGH SCHOOL – CURRICULUM MAP

Unit: Workshop - acrylic	Week 1/2	Week 2/3	Week 4	Week 5-6
<b>TOPIC</b>	Introduction to DT and the workshop environment.  Introduction to licence  Replacing coping saw blades Demo coping saw Demo filing	Demo Pillar drill and finishing using abrasive paper	Design criteria and design ideas <ul style="list-style-type: none"> <li>Biomimicry</li> <li>Ideas generation</li> </ul> Templates Create scale template and mark out shape on acrylic to cut	Utilising practical skills to create a product from acrylic
<b>Knowledge &amp; Skills development</b>	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			
<b>Assessment / Feedback Opportunities</b>	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
<b>Key Vocabulary</b>	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			
<b>Literacy/Reading Opportunities</b>	Analysing the design brief			
<b>Cross curricular themes</b>	Geography – sustainability, finite resources Art – exploring and drawing shapes			
<b>Personal Development (including British values, RSE, Citizenship)</b>	Sharing resources and equipment Teamwork			
<b>Career Opportunities</b>	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).