

ASPIRE #BeMore

(A)UTHENTIC (S)ACRED (P)ASSIONATE (I)NSPIRATIONAL (R)ESILIENT (E)MPATHETIC

Y8 Design & Technology					
Term 1.1 Micro truck Project	Term 1.2 Micro truck Project	Review of learning DIRT & summative 2 assessment points: 1) Drawing skills 2) Final Practical Outcome	Term 2.1 Memphis Micro lamp Project	Term 2.2 Memphis Micro lamp Project	Review of learning DIRT & summative 2 assessment points: 1) Creative drawing and modelling skills 2) Final Practical Outcome 3) End of year exam
<p>Unit intent:</p> <p>Drawing skills:</p> <p>In Y8 D&T students are taught how to communicate using isometric drawing and how to use crating to create more complex isometric shapes.</p> <p>Students are taught how to apply colour to communicate direction of light and how to render to communicate material texture.</p> <p>Students are also taught how to create an exploded view drawing and the effectiveness of these when constructing something.</p>	<p>Unit intent:</p> <p>Making skills:</p> <p>Students will learn how to manufacture each part of the micro truck</p> <p>The skills will include:</p> <p>The skills will include:</p> <ul style="list-style-type: none"> Marking and measuring accurately Reading an orthographic projection Cutting and shaping timbers and polymers using hand tools Using the pillar drill and sander Using the line bender Working safely and sensibly with tools and machinery Applying appropriate finishes 	<p>Disciplinary knowledge</p> <p>Drawing skills, communicating through drawings, working with polymers, line bending, working to close tolerances</p> <p>CST</p> <p>Solidarity Creation and Environment Dignity of Work and Participation</p> <p>Careers</p> <p>Discussion about careers where people use drawing skills Video of polymer forming in factories</p>	<p>Unit intent:</p> <p>Generating a range of creative design ideas:</p> <p>Students will learn how to produce creative design ideas for their Memphis inspired lamp</p> <p>Design development using SCAMPER:</p> <p>Students will learn the importance of design development and use the SCAMPER technique to develop their ideas. Key terms: - Substitute Combine Adapt Modify Put to other use Erase Replace</p>	<p>Unit intent:</p> <p>Making skills:</p> <p>Students will learn to work with different polymer forming processes including the vacuum former and will have another opportunity to use the line bender.</p> <p>They will then use their creative skills to enhance their polymer lamp with additional components made from timbers and polymers influenced by the ,Memphis group.</p>	<p>Disciplinary knowledge</p> <p>Design skills, Health and safety. cutting techniques, shaping techniques, joining techniques, finishing techniques, hand tools</p> <p>CST</p> <p>Solidarity Creation and Environment Dignity of Work and Participation</p> <p>Careers</p> <p>Videos about furniture designers (the Memphis group) and their careers</p>