





Curriculum Overview for Design Technology

Year 9

<p>Term 3: Pop Art clock (mini GCSE project) and LED zentangle lights.</p> <p>Substantive Knowledge:</p> <ul style="list-style-type: none"> ✓ Generating design ideas ✓ Using 2D Design ✓ Health and Safety of specialist materials, techniques, processes and machines. ✓ Students to demonstrate their understanding of this during practical sessions ✓ Appropriate finishes ✓ Analysing and evaluating the final product. <p>Disciplinary Knowledge:</p> <ul style="list-style-type: none"> ✓ Independently generate a design based on the theme pop art clocks. ✓ To be able to draw up your chosen designs either by hand or using 2D design. ✓ To be able to understand the health and safety hazards of tools and machinery in the workshop. ✓ To be able to use the appropriate tools for your design safely and in line with the health and safety guidelines in secondary schools. ✓ To gather an understanding of appropriate finishes and their aesthetic qualities. ✓ To be able to analyse and evaluate your final products and discuss how they have met the design brief, what has been successful during the making, what could be improved and how that could be done. Experiment with joining methods to join dissimilar materials. 		Decoding of keywords. Opportunities for extended knowledge theory. Educational literature and articles to promote learning.
		Industrial Polymers Acrylic 2D Design Generating Design Ideas Developing Design Ideas Health and Safety Hazards and Precautions Fret Saw Glass paper Sandpaper Lazer cutter Wet and dry paper Bobbin sander Carbon paper Drawing Coping saw Safety goggles Adhesives Finishes Acrylic paint.
		Recall tests Review sheet End of unit test
		Retrieval and review Homework sheet. Preparation for retrieval test

